aaagacaaat ctcttcctct gcagaccttg attgatattc tcaagcagca aacagggaat 360

gataatatcg aagttgggaa aatcangcca agccttttg atgcgtttgg 410

<210> 3910
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-D6

<400> 3910

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caagcacgga aagcatggag gcaaattcaa gcacggaaag catggaaagc acgggaaaca 120

tggcatgttt ggaggaggag gcaaattcaa gaagtggaag taatctcaaa aaccccacct 180

ttgatcctct cctccagtat agtctcatta cctgaccgat gtttctaata atccccccttc 240

aaacatattt cattttaact atgtcggttt agagattact ggttgaggaa ataattggag 300

agtgctanta taaaccttat ggtatctgca gcagaggttt ctttaatctc tcaatagtag 360

atgctttgaa acttatctat aatttgggaa tgtnatgaca gtttgtgt 408

<210> 3911
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-D7

<400> 3911

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tgcaagtact gcactacttg agatgatgat ctttcatttg ccatctcccc acactgccca 120

gaggtaccgt gttgagaatc tgtatgaagg tcctcttgat gatcagtatg caaatgccat 180

caggaactgt gaccccaatg gacctctcat gctctacgta tccaagatga ttccagcctc 240

tgacaagggt agattctttg ccttcggtcg tgtctttgct ggtaaggttt ctactggtat 300

gaaggtcaga atcatgggtc ccaactatat ccctggtgag aagaaggatc tgtacactaa 360

gagtgttcag aggactgtca tttggatggg taaagaagca aagaaacaan t 411

<210> 3912
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-068-Q1-E1-E12

<400> 3912

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acccgcgtgt tatcccgttt ctcaaatttc tcatctttcc gggaaaattc actttttttt 180

tttcctggga agattcgttg tgttgtgaat tttagtgggc accttcaaat tttcgatttt 240

ttttttttatt ttccttgtct cttacctgat ttggtgattt attattacat caaccactcg 300

attcgttaga tttccggatt tgaaaaagag tcaccaactt gtacggattc tcgttttggg 360

gatcgagtat tgctgatttg tgattttgtt gtttttgggt actt 404

<210> 3913
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-E2

<400> 3913

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gacttttgag gaaagctctg atttggatgt tatacagaaa catctatttg aagacttgat 120

gatccctgat ggtttcattg aagattttgt ctttgatgat actgcttttg tctccggact 180

ctggtctcta gaacccttta acccagttcc gaaactggaa cctagttcac ctgttcttga 240

tccagattcc tatgtccaag agattctgca aatggannnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnntgagg ttgagactgt ctcaaaccgg aaaaaaacaa agaggtttga 360

agaaacgaga cattacagag gcgtgagaan gaa 393

<210> 3914
<211> 412
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-E4

<400> 3914

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ttgaggtcag aattgctagg atcttcaaca cctatggtcc aagaatgtgt atagatgatg 120

ggcgtgttgt tagtaacttc gttgcacagg cactaacgaa agagccattg actgtttacg 180

gtgatgggaa gcacacaagg agtttccaat ttgtttctga tctgggttga aggtttgatg 240

agactgatgg attctcgaaa caccgcttca accaagaatt ccgtggccct cctaggcgtc 300

aactcattac catcttccgg gttagtttcn cagttcttaa cactagagcc cgaagtttac 360

cttttaaacc ttatttttcct tctcctcttc actgttacag gtttancttc tc 412

<210> 3915
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-B12

<400> 3915

taatttccgc cgncggtaan ggtcanaaat tcccgggncg acccacgcgt ccncggacgc 60

gtggggctgc acttgagaga ggcttgtggt ctacagcaac tataaatatt gaagttttga 120

gaaccttaaa tgtgattttc tccaattttc ctaagctccg tgcctcagaa gctgctactt 180

tctgcatccc tcatttggta ggggcgctca aatctggtgt tgaagacgtc cagggattag 240

tattggatat tctttacttg ctaagacact cctggacgaa tatgtctata gatgttgcaa 300

agtctcaagc catgattgca gctgaagcaa ttcccgtcct gcaaatgctg atgaaaacat 360

gccctcctag gtttcacgac aaggcagata gcttattgca ctgcttacca ggttgcttaa 420

cagtgaacgt catgcgtgcc aataacttaa agcagtctat ggcaac 466

<210> 3916
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-E1

<400> 3916

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn gttttgcgtc tgatttctat aaggctggtt ctgattggtc ttgtttagtg 180

gaagatgaag agactgtttc ttcttctgtg aagaagatga aacagtcgaa cttgtttcag 240

atttggggtt tacaagagaa ttctcctgat acaacgaaga agatgaaaca aactgatttg 300

tttcagagtt ggggtttaca aaagccttct cctttcactt cacctgcttc gaattcggcg 360

aagaagacga cgagtgctct tggaaaaang cgtaaaagac tcctcgttta acaatg 416

<210> 3917
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-E12

<400> 3917

gccgaccngc ccgtccaaag ggaaaccaca tatcactcca tctgatatac agagcctcat 60

agaagtaaat gtacttgttc aagatttcaa caaatggcta ntgcaaccan aggtagcagc 120

ggaccagtca cgctgtttgt tgaaatcttg aacaagtaca tttacttctt tgagaaangg 180

aatccacata tcactccatc tgatatacag agcctcatag aattgatcaa caatgagatg 240

caaagcgaca acggtaacac gacaatccac tcagatccct tctttacaag tacattgcgt 300

tacattaagt tcataaaaca gaaaggtggt ttgatgggtg agaaatatga ccctatcaag 360

ctgtgactta aatccgagac acaagcctca tcaaatcccg agggggaatc cnccggaatt 420

ttccaaagaa aatgtt 436

<210> 3918
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-E2

<400> 3918

gttttggccg gaaggaaaac aggtggatac attgaaggag atgtgagaat atcaggattc 60

ccaaaggttc aagaaacatt tgctagaatc tcaggatatt gtgagcagac cgatattcac 120

tccccgcaag taacagtcag agaatctctg attttctctg ctttccttcg tcttcctaaa 180

gaagtcggca aagatgaaaa aatgatgttt gtggatcaag tgatggaatt ggtagagctg 240

gacagtctta gggactccat tgttggttta ccgggtgtca cggggctttc cacggagcag 300

agaaagagac tgacaatcgc ggtggagctt gtagccaacc cttccatcat ctttatggat 360

gagccaactt canggctaga cgctagaaca acggctattg tgatgaaggc ggtaaagga 419

<210> 3919
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-E4

<400> 3919

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tcttcccctc tcttctgttg aagaaagctt aaacctttct gggtttcttt taactatggc 120

gacaagggtt agtttcttct tanctctggt aatgacggtg gtgattcttg ctccttctgt 180

cgtctctgga gaaaatgggt tttccgatct taaaatccgt actcacttga aacgactcaa 240

caagccaagc tctcaaatcg attaaagagc ccagatggag atatgattga ctgtgttcca 300

atcactnacc aaccannent ttgctcatcc tctgctcatt aatcacactg tccagatgtg 360

gccaaagttt gaacccagan antgtacnta gtggagaagt aaagttcatc atgancca 418

<210> 3920
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-E7

<400> 3920

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gccttgccgt tgttcccttc tcaagctcct gatttcgtcg gtgagactgt gctcactaag 120

ttctgggaac tgattcatct cctattcgtc ggcattgctg ttgcttatgg tttgtttagc 180

cgtaggaatg ttgaatccgc tgttgattta aggatgactc gtgtagatga gtcttctttg 240

tcttatgtat ctagaatctt ccaggtttct tctgtttttg acgaagagtt tgatgataat 300

tcttgtgagt ttgttgatgt gaggagtgat gaagagtgtg agtgctcgag cttctgtggt 360

tgggaaatct gagtcntttg gttgttgaaa agcgggcaaa ttgggaagaa tcg 413

<210> 3921
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-F12

<400> 3921

gnaacgttgc accgccagta gnctcaagaa ttccanggtc gacccacncg tccgggaaag 60

tctaaaggct ttggatttgt caattttgag aattctgatg atgcagccag agctgttgac 120

gctctaaatg gaaagacctt tgacgacaag gagtggtttg ttgggaaggc ccaaaagaag 180

tccgagaggg aaactgaact caaacaaaag tttgagcaaa gtttgaagga ggctgcagac 240

aagtctcagg ggtcgaactt atatgttaag aacttggatg agagcgtcac agatgataag 300

ctcagagaac attttgctcc ctttggaact attacatcat gcaaggtgat gcgtgacccc 360

agtggagtga gtagaggatc tggatttgtc gcattttcaa ctcctgagga agcaactaga 420

gctattacag agatgaatgg gaaaatgatc gttacaaaac cnctatatg 469

<210> 3922
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-F4

<400> 3922

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attttataac aatgggtgat tctactggtg agccggggag ctccatgcat ggagtcaccg 120

gtagagaaca aagctttgct ttctcggtgc aatcaccaat tgtgcatacc gacaagacgg 180

ccaagttcga ccttccggtg gacacagagc ataaggcaac ggttttcaag ctcttctcct 240

tcgccaaacc tcacatgaga acgttccatc tctcgtggat ctctttctcc acatgttttg 300

tctcgacttt cgcagctgca ccacttgtcc ctatcatccg ggagaatctc aacctcacca 360

aacaagacat tggaaacgcc ggagttgcct ctgtctctgg ggagtatctt ctctaggctc 420

gtgatgggag ccgtgtgtga tcttttgggg tccccgttta cngttgtgcc cttcctt 477

<210> 3923
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-F5

<400> 3923

tttggctcca tctcttacag taactgtctc ttggaaccat ttcctcttca ctagtatctt 60

ctaacaatgt ctgctactag gtcacagaga tcatccacga tctcgccggc tcgtcctcgt 120

agatcgccgg cgactattcc gatgaaacgt ccggaaactc cttcttcctc tcacttttct 180

gcttctccgg ttacttcttc tagtccatta ctacgttcta gtcctagtcc gtctacttcc 240

tccgccgccg cctctagtac ggctgttgct tccacgaaac tgaaggagaa tattacaagt 300

cacgattcgg tttcgtcctc tcagtccacg agaggtcaat aatggagatg agattgcgtg 360

gtatgcagat ggagactaan actattagga atgagtataa tccatctctt tgtt 414

<210> 3924
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-F6

<400> 3924

acaaagactt atccttctaa tttccttttt gaaaaagaac ctaaataaaa agattatggt 60

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ggatgtctct gatattcatg gaggcatgga tcagaacaga agaactaaaa ccttttttcga 180

cttcatgaaa gcaaagaaag gtatcttgtt atgtactgat gttgctgctc gtggtctcga 240

tattccttcc gtggactgga ttatacagta tgatccacca gacaagccaa cggaatatat 300

ccatagggtt ggtcgaacag cccgtggaga aggagcaaag ggaaaggcat tacttgtctt 360

gattcctgaa gaacttcagt ttattccgct acctgaaggc tgccaaagta ctgtta 416

<210> 3925
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-F8

<400> 3925

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tttcgagatt cagacccaaa gaagaagcaa ttccacaaca agattgcttc tttctcacaa 120

gtttctccat tctcaagctt ccattatctc aatctccagg acaagaatcc tcaaacgggt 180

ctctcagaat ctctctgtag ctaaagctgc ttcagctcaa gctagtagta gtgttggtga 240

gagtgttgct caaacatcag aaaaagatgt gttgaaggct ctgtctcaga ttattgatcc 300

tgattttggg acagatattg tttcttgtgg ttttgtgaaa gatttgggga ttaatgaagc 360

tttgggtgag gtttcgttcc gtttggagct gacaacaccc gcatgtccag tcaaaa 416

<210> 3926
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-F9

<400> 3926

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gaagatgagg atcaggagaa agatgatgag atgactgatg ttgcggaaga tgtgaaaacg 120

catggagact cctcagtagc tgatattgaa gagggaaggg aaagtcaaga agagatgaca 180

gagacacang angacagtgt tatggctgat gaagagcctg aaggaagttg aggaagaaaa 240

taagagtgct ggaggaaaga agaaacgggg gagaaataca aagacagtca aagggacagg 300

aaagaagaaa gangaagatg tttgttttat gtgctttgat gggggtgatc ttgtcctttg 360

tgaccgcang ggaancacaa aancctntca acccttccgg ttttaattca ana 413

<210> 3927
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-G2

<400> 3927

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gcggtttatt tgatgagcct gagactactg agggacctgt ttttggacct ccttccaagg 120

ctgaagcctc gggagttggt tttatggcgt tcagcagcga gtctgatcct gaagaaatcg 180

atgattcgga tttaccggtg tctgtagaga ggtgtttggg tcatttcaca aaacatgaga 240

tactgtcaga tgacaatgct tggaactgcg agaactgttc aaaagaacct gaaactccaa 300

cggttgagag aaaagcgaaa atccaatgaa gatgaatcga agatnaagca acaccagcaa 360

cggatgggtg aaagaaaatg aagatgaaag gttttggaga aaccgaaatt ttgggctgtt 420

aaa 423

<210> 3928
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-G5

<400> 3928

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gagccctcct gttcatcgat ggggaggtct caccacaaca cgctcgggat gtatcactct 180

tcttgactgc tttttgactg caaaaacttt caaagggctt caaaatgtct ttgaaagtaa 240

ccgtgctcga gagagggaac gtgagttgct ttatcctgat gcttgtggtg gcggtggtcg 300

ggtatggctt agtcaaggga ttgctggttt tggtaaaggt catggaacaa gagaaacatg 360

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<210> 3929
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-G7

<400> 3929

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tatggaagat ccttctcttt cgtcgaagaa caccaaatcc aatggtctcg gacttgcggc 120

ggcggctggt ggtggaagca atctgatcaa caaatggaac ggaaaggctt attctcagag 180

gtatttcgag attctggaga agaggagaga tcttcccgtt tggctccaga aagatgactt 240

tctcaatact ttgaactcta atcaaactct catactcgtc ggtgaaactg gtagtggtaa 300

aactacacag attccacagt ttgtattaga tgctgtggtg gctgacaact ccgataaggg 360

aaggaaatgg ttggttggat gtaccaanct ccgtagaagt tgctgcaaat gtcctgt 417

<210> 3930
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-G9

<400> 3930

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accccagcaa ggggaatcaa ggtatctctg caaataatca agatccactc aactctttcg 120

gtgtaccaaa acagagccaa ggaatgccat ctttcaccaa gtgcttcata aactcgccgc 180

catcatcgat attcacgggg tccaagatcg aagctgagga tggttctccg cttgtgatcg 240

agctcgtgga cgccaccaca aacactctaa gttagtacgg gaccgttctc gtcttctcgg 300

gtcgagctcg tgccgctgaa cgctgatttc acggaagaaa gctggaccgt tgagggattt 360

aatcggaata ttctcaagca acgtnnaang gaaacttccg tttgcncact ggg 413

<210> 3931
<211> 412
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-D7

<400> 3931

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tttagccgcg gataatgtgt tgttggtgga agaaggaagg ccagccacag cggaacatcc 120

atcggccgga ccggtttatc gatgtaaata cgctaaagat ggcctcctcg atctccctac 180

cgatattgat tctccttggc agttctttag tgaggctgtg aanaaatatc cgaatgagca 240

aatgttgggc caacgcgtaa cgactgattc taaggtcggt ccatacacgt ggatcacata 300

taaggaagcg cacgacgctg caattcggat tggatnagca atcanaagcc gaggcgttga 360

tccgggacac tgttgtggta atttacggga gctaantgtc cagaatggga tt 412

<210> 3932
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-B10

<400> 3932

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acgcatccgc aatctttcac ccacctattc aaagctctct ccggaagttt cgaggggttg 120

gttgttggtt ttcccgatga cttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gaaagggaga ataatcggag 240

gagagaaaga cggagaagag ctgtagctgc gaagatatac actgggctta gagctcaagg 300

tgattataat ttgcctaaac attgtgataa taatgaagtc cttaaagctc tttgtgttga 360

agctggttgg gttgttgaag aagatggtac tacttatcgc aagggatgca aagcctttac 420

ctggtgagat aactggggac ttcatcccca gttacn 456

<210> 3933
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-B12

<400> 3933

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tcaacaaaag tagcagcttc ctcaacacca tccctaattg ttctctgctt cgagacctaa 120

acatgagctc tgtatatccc aaaaggaaac tcctccctga ttttctcaca gatgaaatct 180

ttaagagtca tcgacatgtc ttgggaacca cttcaccggt agcttccctc tctctatctt 240

caatctcact gacttagagt atctcaattt caatgagaat ccagagcttg atctatggga 300

ctctaccgga ttctgtctct aagctgacaa agctcacaca catgctcttg atgacgtgta 360

tgctccatgg taatatccca agattcattg ggaacttgac ttctcttggt tgatctgaac 420

ttaacgggaa antcctcccc cggngagaat tccaaaanga aattagggga ac 472

<210> 3934
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-B2

<400> 3934

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cactcacctc ttctcctccc tccattatcc acacatacga caccgttttc catggcttct 240

ccgctagact cacttcacaa gacgctagtc aactcttaga ccatcctcat gtcatctctg 300

ttaacccgga acaagtccgt cacttgcaca caactcgttc ccctgaagtt tcttggtctt 360

angtccaccg acaaagcggg tctactcgaa agagtctgat ttcgggtcgg gatctaagtt 420

<210> 3935
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-B5

<400> 3935

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tgggcaatct cctgtttctc cacaccctat tgataatgat tcgtatgaga ggattgtgtt 180

gtgcataaaa ttgctttgcc ataggaatga tgagatgaaa aagatatggt tagaatcctg 240

ccgccagagt tttgtcaaga tgatttctga aaaacagctt agagagatgg aggaactgaa 300

ggcgaagacc caaacaacgc atgctcaacc tgatgatcta attgacttct tccatctaaa 360

gagtcggaag ggaatgagtc aacttgagtt ggaagaccaa gtacaaagat ga 412

<210> 3936
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-C1

<400> 3936

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tgatagataa gatccagtca ttagccgacg aaggcaaaac agcgttttcc ttcgaattct 120

tcccaccaaa gacagaagat ggagtcgaca atctctttga gagaatggat cgaatggttg 180

cttatggtcc aacgttttgc gatatcactt ggggagctgg tggatctacc gcagatctaa 240

cgcttgatat agcttcgagg atgcaaaacg ttgtttgtgt tgagagtatg atgcatctta 300

cgtgtactaa catgcctgtt gagaagattg atcatgctct tgagactatt agatctaatg 360

ggattcagaa tgtgcttgct cttaaaggtg atcctcctca tggtcaagat aag 413

<210> 3937
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-C12

<400> 3937

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ttttttttagg gttttcgtaa gaacagagca aaaaacatgt ttggaagagg accttcaagg 120

aagagcgata acacaaagtt ctacgagatc cttggtgttc ctaagaccgc agcaccagaa 180

gatctcaaga aagcttataa gaaagccgct atcaaaaacc atcctgataa gggtggtgat 240

cccgaaaagt ttaaagagtt agcacaggct tatgaagttt taagtgatcc tgagaagcgt 300

gagatctatg atcaatatgg ggaagatgca ctcaaggaag gaatgggtgg tggaggtggt 360

ggacacgatc catttgatat cttctcttcc ttctttggta gtggtggaca cccattccgg 420

aagtcataac ccggggaaag gaggcaaagg ctttggttaa 460

<210> 3938
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-C4

<400> 3938

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gacgagattc tcgccgtgat tcccaccgac ccttatgatc aactcgacct cgccaggaag 120

atcacttcca tggctatcgc ttcaagggtt tcgaatctgg aatctcaagt ctccggcttg 180

agacagaagc ttcttgagaa ggatcggctt gttcatgaac ttgaagacag agtctcttcc 240

tttgaaagac tttaccatga agctgactcg agtttgaaga atgttgtcga tgaaaatatg 300

aaactgactc aagaacgaga ttcactggca atcactgcga agaaactcgg tcgtgattat 360

gcaaagttgg aagcattcaa gagacaattg atgcagtcat tgaatgatga taatcca 417

<210> 3939
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-C6

<400> 3939

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aaaacatctt cgtcatgcgt cacggtgatc gaatcgacaa tttcgagcca ctctgggttt 120

caaccgccga gagaccttgg gatccacctt tggttcaaga cggtatgatt cgagcgtttc 180

gaaccggtca aaggatccga tctcagatcg ggttcccgat tcaccgtgtc ttcgtctccc 240

ctttcctccg atgtcttcag acagcttccg aagtcgtcgc agctctatca gccgtcaatg 300

tcgatcctaa cgccatgtct tccaaagacg tcccttccat tgataaatct aagctcaagg 360

tttctattga attangtttg tgtgagatgt tgaactcagt ggctataagg ngtga 415

<210> 3940
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-C8

<400> 3940

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acggcgagtt tcctggtccc accataaaag ccttcgccgg agacaccatc gtcgtcaatc 180

tcaccaacaa actcaccacc naaggccttg tcatccattg gcatggaatc cgtcagttcg 240

gaagtccatg ggcagatgga gcagcaggag ttactcaatg cgcaattaac cctggagaga 300

cttttaccta caatttcact gttgaaaagc cgggaacaca tttctaacat ggacactatg 360

ggcatgcana gatcagctgg gctatacgga tcgttgattg tggacgtggc taaagg 416

<210> 3941
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-D10

<400> 3941

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catcactact ttgtactaaa atccaaacca tgacttccaa cgttcaagct ttcagaaaca 120

aacagcccaa ggaatcagaa aaacccgtcc gaagagcaga gaaggaggaa gtggactaca 180

tgcagagagc tcagtggcta agagctgcct tgcttggagc caacgatggt ctggtcacaa 240

gtcgctcgcc taatgatggg tgttggttcc atccaaagaa gacgtccaag caatgcttct 300

cgttggtttt gccggccttg ttgcnggtgc ttgtagtatg gctattggag agtttgtgtc 360

tgtgtgcacc caaagggata ttgaaactgc acagatgaag agagctattg aacataagac 420

atcactatca gcaatcgacg aacaaagang gaaggaagag aaagaaanga aaagggctgc 480

ca 482

<210> 3942
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-D12

<400> 3942

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tctctctctc tgtctgtgtg tgaagtgaga ggatctttgt ttggttctgc aatcataatt 120

tcgtgatata ctaaaaaaaa tgcaatttcc tcttctctct tataagcaga gaccctacta 180

ctctttgatc gaattttcct tgctctcttc tctttgttct ctcatgtttt tttctcccta 240

aatttatggg ctttgctctc tctctaagcc acactcacac tctaaagcac tcgtctttct 300

tcttcttttt cttcagaaac agttattttg acttgaaaaa ccagagcttt aatcctggat 360

tcatggcaaa aagagcatta cttttctttt cctctctcac tttcttgttt catttggctt 420

aaaaattcaa tgataatttt ggaattgggg ggaaaaaa 458

<210> 3943
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-D2

<400> 3943

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aaaaaaccat gcattcactt ccggtgaatc tcgtcctcac cgtacttacg gtgttcctaa 120

catcaccggc gcaagttatc ggataccgtc catatccacc aaaaaccaac ggctccgatc 180

aaatcttcga cgcttcaaaa aaattcgaag gctcatcgaa tctcgtccgc ctccgttacc 240

acatgggtcc agtcttaacc aacaacatca ccgttcaccc aatctggtac ggcacgtggc 300

aaaaatccca gaagaaaatc atccgtgagt tcattaactc aatctcagcc gttggattta 360

aacacccttc agtctccggt tggtgggaaa accgtacagc tttacactga ccaaaactgg 420

ga 422

<210> 3944
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-D5

<400> 3944

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caacggagaa accaaataac aagcacgcgg ctgattcgtt ttccagcgag gatttggtct 120

cacgcggaga aaccaaataa caagcacgcg gagatcaatt atttttattt tcgtagaatc 180

tgattgaaat attaagaaaa aagagaaaaa agagaggaaa agagcaaagt aagtaggata 240

gatggctagt gtccagcaaa atgggcaacg gtttggcgtt tcagaaccta tctctatggg 300

aggaccaacg gagtttgatg tgatcaagac aagagagctc gagaagcact tgcaagatgt 360

tggattgtac gagagcaagg aggaagctgt tagaagggag gaggttctgg ggat 414

<210> 3945
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-D6

<400> 3945

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tgtatagatc tctgtggttt tcttggccaa atctagtgag atcttttgg tttctcgaat 120

tcgatgaaaa tgagacgagg caattcaagt aacgaccatg aacttgggat tctacgagga 180

gctaactcgg acaccaactc ggacacggag agcatcgcta gcgaccgtgg tgcctttagc 240

ggtccgcttg gccggcctaa acgtgcgtcc aagaaaaacg caagattcgc cgacgatctt 300

cccaagagaa gcaatagtgt tgctggcggc cgtggtgatg acgatgagta cgtggagatc 360

acgctagaca tcagggacga ctcggtggcc gtccataatg tccaacaagc aagctg 416

<210> 3946
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-A9

<400> 3946

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ctgatcccag tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnagg ttgcaaaggc ttcttcgagt ggacagaaga agaaggacgt 180

caagaaggaa acgggtctcg gactcagtgt taagaaagat gagaacttcg gggaatggta 240

ttctgaggtt tgtaaacaag atatgattga gtactacgat atctctggat gttatattct 300

acggccatgg tcaatggcca tttgggagat tatgcaaatt ttctttgatg cggaaatcaa 360

gaaaatgaag gtcaagaatt gctatttccc tctgtttgta tctcctgggt gtcttaaaaa 420

angagaaagg ccacatccaa aggaatcccc ccctaaggtt tccttnggtt 470

<210> 3947
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-G10

<400> 3947

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ttcagttgtc agtttctccg ccacataatc tctacccgac acacttttat cttcccctcg 120

ttgctcctct actccacttc cacctccgga gataggtaac ttcgtcgtca angtcgagac 180

cccgataacg ttggaggaag agtcggctgt ttcagactan cttagtggtg tatctaatta 240

ncagtccaaa gttactgatc ccaccaaaga agaaactgga ggagtaccgg agattgctga 300

gtcttttggt aatatggaag tgactgatga gtctcctgat cagaagccag gacaatttga 360

aagagacttg tcgacgagaa agcaaagaat tt 392

<210> 3948
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-G11

<400> 3948

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tgagatcagg gactcgggaa acatggacag catcaagtca cactatgtta ccgactctgt 120

ttccgaggaa cgccgctctc gtgagctcaa ggatggagac catcctttac ggtacaagtt 180

ttcgatatgg tacactcgtc gcacaccagg ggttcggaac cagtcttatg aagataacat 240

caagaagatg gtagaattca gcacggttga aggattttgg gcctgctact gtcaccttgc 300

tcgttcttct ctcttgccta gtccaacaga tcttcatttc tttaaggatg ggattcgtcc 360

attgtgggag gatggtgcca actgcaat 388

<210> 3949
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-G2

<400> 3949

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ataaacagag ggagtcgcca aattttctca tcattttctc gagaaaatag actaaaagcg 120

attcccgaga gaaagaaaga acaaaaaaaa aacatccgag tgaaaatgag agaaattctt 180

catattcaag gaggtcagtg cggaaaccag atcggagcta agttctggga agttatttgc 240

ggcgagcacg gtattgatca aaccggtcag tcatgtggcg atacagatct acagcttgaa 300

aggatcaatg tctattttaa cgaagctagc ggaggcaaat acgttcctcg tgctgttctt 360

atggatctgg agcctggaac tatggattct ctcagatctg ggccgtttgg gtcagatttt 420

ccggcctgat aacttcgttt ttggtcagtc cnggtgctg 459

<210> 3950
<211> 411
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-G3

<400> 3950

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tctatataga atcatataag tggtacatac ctctcaaatc gaggaagaaa atgaaaggag 120

gaaagatgga taaattgaag ccaataatag caatcatatc actccaattt ggatatgcag 180

gcatgtacat cattactatg gtctccttca agcatggcat gaaccattgg atccttgcta 240

cttaccgaca tgtcgtcgcc acaattgtca tagctccttt tgctctcatt ctcgagagga 300

aaataaggcc taagatgaca tggccattgt tccttaggat tcttgccctt ggattcctag 360

aaccactttt ggaccaagaa cttgtactac atangaatga aagccacgtc a 411

<210> 3951
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-G4

<400> 3951

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gttaggcatg aaggagatcc tgattttgaa gatggtgatg atgctgattt tccaatgatg 120

gatgagggaa ggcagccatt gtctaggaag ataccaatca aatcgagcaa gataaatcct 180

taccggatgt taattgtgct acgtcttgtg attcttggtc tcttctttca ctaccgtatt 240

cttcaccccg tcaaagatgc atatgctttg tggcttattt ctgttatatg tgagatatgg 300

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acttggaccg actctcatta agatatgaga aagaagggaa accgt 405

<210> 3952
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-G5

<400> 3952

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gttggagaac gtggtgttca actctcaggt ggacagaagc agagaattgc aattgctagg 120

gcgatgttga aagacccaaa gattctgtta ctagatgaag ctacaagcgc tcttgatgct 180

agctctgaga gcattgttca ggaagcttta gacagagtca tggtggggag gaccactgtt 240

gttgttgctc atcgtctctg caccatcaga aatgttgatt ccattgccgt gatacagcaa 300

ggccaagttg ttgaaaccgg aacacatgaa gaactcattg ccaaatccgg tgcttacgca 360

tccctcatca ggtttcagga aatggttggt actcgagatt tctcaaaccc gtcaactcgt 420

cgcactcgtt caacccgttt gagccattca ctgtcaacga aatcactc 468

<210> 3953
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-G6

<400> 3953

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aaagcttcga aaagcgatga tgggttttgt tcagcgcctt cgattgttga atcggatgag 180

aagacgaacc ccatttattg gaaagccacg aatccaacac tctctccttc acacctccaa 240

gacttgcctg gtttcacacg aagtgtatac aaacgagatc atgcgttaat aacaccggaa 300

agtcatgtat acagcccttt acctgactgg acaaacacat taggggcgta tttgatcaca 360

ccggcaacgg gttcccattt tgtcatgtac ttggcgaaaa tgaaa 405

<210> 3954
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-H2

<400> 3954

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gtcatcactc accaaacaac tctcatcaat ataaagagaa gagagtggta gagttatata 120

ttacacacat aaacttagat atagtagtgt tatattcttg attaagtaat aaagatgaaa 180

ggtggaagca tggagaaaat taagccgata ttggcgataa tttcactgca atttgggtat 240

gcaggcatgt acatcatcac catggtctcg ttcaaacatg gcatggacca ttgggttctt 300

gctacatacc gtcatgtcgt agccacggtt gtcatggctc cctttgctct catgttcgag 360

aggaaaatta ngcccaagat gacactaagc aatattctgg aggcttcttg ctcttggnat 420

attagagccc ctcatggacc anaatttgta ctacatagga 460

<210> 3955
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-H4

<400> 3955

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aggagctgtg acacttcctt ctgttatgat atctaagtta gttcagcttt caagagctat 300

ttcaatccat gaagctgaac aagatgagct tgcacatgtg acaatgcagt attgggcagc 360

atcgggctaa ttgttgtgct atacttatat atcgatcagt gactat 406

<210> 3956
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-H8

<400> 3956

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gaacggattt gggctctaat ctctttctag cgtggaccgg atgggtttgc ttgtggacgg 240

ggctgttgtt gttcttgtta gctgtattag gcgcttgcac cttcatcaat cgattcactc 300

gacttgctgg ggaactgttt ggtactctaa tagccatgct tttcatgcaa gaagccatta 360

gaggcattgt ggatgagttt ggtgtccccg gaagaacaaa tccaagatna agctgagttt 420

caacctgctt gggtgtttgc a 441

<210> 3957
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-H9

<400> 3957

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cacctgatcg gctccggtgg tcccagcgga ttcgggtcaa gatccaccgc cgatcatgtc 180

acttgtaatt ctgatctccg ttctctaact gccatcatca ctggcgcgac gtcggggata 240

ggagctgaga cggcgcgtgt tcttgctaag cgtggcgcaa gacttgtgct tccggctaga 300

agcgtcaaaa ccgccgagga aacaaaggct cgtatactgt cggaagtttc ctgatgcgga 360

gatcatcgtt atgcatcttg atctcagctc acttacctct ggtccgtccg attcgtggac 420

gatttccaat ctcncaatcc t 441

<210> 3958
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-A4

<400> 3958

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tgacatcatg agatttctcg atggaatggc tanctccgac nacgttcttt tcggttttct 120

tgacgaagga aaccagtcac cggaagattt ctccgtanac ctcaacgccg gcgaanatga 180

cggtgacgaa gacgacaata ataacaattc tgaagataac aaagcttttt ggcaggaaca 240

cgaacaactt cttcagggga cactgtatag gacaagttcc attgagacaa agattagaca 300

agctacaaaa gaagcgttga aacaagttaa atctaagggg tctttattgt gtttgccggc 360

gaccagtggg acggcggttg ccggagttgc ntacgtggcg aanatctcta gacacctaag 420

a 421

<210> 3959
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-A5

<400> 3959

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ctatttctct cttcatacat atctcaagca gataaagttg atcggatact agaatgggag 180

gaggatttag agttttgcat ttggtgaggc cattcttggc ttttctgcct gaggttcaga 240

gtgctgatag gaaggttcca ttcagagaga aggttatcta cactgtcatc tctctcttca 300

tctttcttgt ctgcagtcag cttcctcttt atggaatcca ttccaccacc ggtgcggatc 360

cattctattg gatgcgtgtc attcttgcgt ccaaccgtgg aactgtcatg gagctcggta 420

ttactcctat tgttacatct ggacttgtga tgcaattctt g 461

<210> 3960
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-066-Q1-E1-A7

<400> 3960

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aagcacccaa atccagtttc tcactgttga agctagaaaa caatctagaa gaataagacg 180

cgagcgctcc ttcagccctt ttccagtact tattcaatcg aaccgtcgtc ttcgtcatgg 240

tttctcagag ctcaattcga gttttgatcg ttccaacagt ggagaaactg gttccgatac 300

cactcttaaa gatggtgaag aagtgaggag tgaaagctct tcaggtgttg gtgatagcta 360

tgtgggcttg tttgtgggga atgctnggtt tggacaacga tcctcntgat a 411

<210> 3961
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-G1

<400> 3961

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cttgtcttcg atctctcctc tcttatgctc ttctttgatc tcacctctta atctctcact 120

tattagacaa gcaaatgtcc ttatctctct aaagcaaagt tttgattcct atgatccttc 180

tcttgattca tggaacattc caaatttcaa ctctctatgt tcttggactg gtgtttcttg 240

tgacaacttg aatcaagtct attactcgtc tagacctatc taatctcaac atctccggca 300

ctatctctcc ggaaatatct cgtctttcgc cgtcacttgt ttttcttgac atttcttcta 360

acagtttctc cggtgaagct tcctaaagag atctatgagc tctcangcct 410

<210> 3962
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-066-Q1-E1-A8

<400> 3962

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tcataaccat tgtcgtctct tcgacaatag ccgtcgatga tcctgtgtgc ccaacgacgt 120

ccaaactaag ccgagcaagt ttccctaatg ggtttgtgtt tggcacagct actgctgcgt 180

ttcaggttga aggtgcaatt aatgaaactt gtcgtggacc tgctctatgg gatatcttct 240

gtaagagaaa tccagagaga tgtagtggcc acaacgccga tgtggccgtt gatttcttcc 300

atcgttataa ggaagatatt caactaatga agaatctaaa cacagacgca ttcaagactc 360

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<210> 3963
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C12

<400> 3963

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agcaatcata gcaaagatgc tctccatcaa gcaacaagga acccctaaat ccgagaatcg 120

agaactcctc actcagatgt ttctcaactt catcaatctt cgtcaagcga atcgctcgat 180

tcttatagaa gaagagaaag tgagaacaga aacggaaata gcaaaatctc cggtggattt 240

cacgacgttg gagcttcaca atctcatgta tgagaagagt cattacctca aagctaataa 300

agctagtaga gatttcanat ctangtatcc aaacatcgat ntcatatccg aacaaagact 360

tcttcagtga tgctcccgga agcaatcaaa t 391

<210> 3964
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C2

<400> 3964

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gatgatggta gaaccgaatc agctcgttca acatctcgaa acttttgttg acactaatcg 120

ttcctcttct caacaggatg atagtcttaa agcaattgct tcttctttgg agaatgattc 180

tttatctatt acccaattgg ttagagagat ggagatgtat ttgacaacaa ccgataacct 240

cgttcgagca cgaggtattc tcctgcttgc ggagattctc gattgtttga aagcaaagcc 300

gttgaacgat acaatagttc atacgctcgt tggattcttt tccgaaaagc tggcagattg 360

gagagcgatg tgcggggcgc ttgttggttg tttggctcca ctgaanaagg aaagatg 417

<210> 3965
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C4

<400> 3965

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tctcagtctt cttcttctgc tataacgctc ttctccatca ccgtataatc gagtttcgat 120

tgtctccgac gaagagaagc tgacacttct ggtttcgtca atttctactg ggataaagct 180

ctctactacc tttttgctca gagaaaatgg tttgattttc gaggatgata aaggcttcag 240

gttgttgtag aggtgttttt gccagccttg gtgctggtca tggattttat ctgactatcg 300

tatgtgcctt tgatgaaact aaataatgcc ccggggagag ttagctatgg gctctttaga 360

agactgtttg ttggcttaaa ggctgcctgg gtttaacgnc ttctggtaat 410

<210> 3966
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C5

<400> 3966

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tggtggtatg ttagagactc aaaatgtagg acctgaagag atctcagatg atgaaattga 120

gcttcctgaa ggaaaatcaa cagattctca gaatgttgca cctgttcaag atcattcatt 180

atctgatgca gagagaatcc aacgagagat tgcagcaacg tctgtgcagg ctgcgtttag 240

aggttacttg gctcggcgtg ctttttgggc actcaaaggc ataataaggc tacaagcgct 300

tatccgtggt caccttgtta ggagacaagc tgttgcaact cttttctctg tcatgggaat 360

tgtcaggttg caaagcattt gctcnaagga agagaga 397

<210> 3967

<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-064-Q1-E1-C9

<400> 3967

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cgtggctatt agttggcatg ccaaaccttg tcaaggcgtg gaatattgaa accaatgctg 180

accagagtct aagtggacct gttggccaag tctattctct tgttgtgggt actgatctgc 240

tctttgctgg aacacaggat ggctctattt tggcatggag atataatgct gccactaact 300

gttttgaacc atcagcgtca ctgacgggcc atacacttgc agttgttacc ttatatgttg 360

gggcgaacag actttattcg ggttccatgg aca 393

<210> 3968
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-D1

<400> 3968

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gcgagcaatt acagtatcct gcgactcggc gtgatgattc cgtcgtcgat gactatcact 120

gcgtcaagat cggagatccg taccgttggt tagaggatcc tgatgctgaa gaagtgaagg 180

agtttgtgca gagccaagtg aaattgacag attctgtact tgaaaagtgt gaaacaaagg 240

agaagctccg tcagaatata acgaaactta ttgatcatcc tcgttacgat tcaccattca 300

ggcaagggga taagtacttt tacttccata acactggtct acaggctcaa agtgtgcttt 360

atatgcagga taatccggat gctgaaccaa naaggtttgc ctgattccga ac 412

<210> 3969
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-064-Q1-E1-D2

<400> 3969

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aatcttcagt ctcagccttc aaacatttct cattttcttt gcacctcaaa gaaaacgctc 120

atccagaaaa gttttactct ctttcatttg gtcagcttac cttcttgctg attggtctgc 180

caatttcgcc gccggacaaa tctcagatag tcaaggagat gatccagaac ccggagaacc 240

gaaaaagagc gccgagttgt ttgctttctg ggttcctttc ttgctcttgc atctcggtgg 300

tccagataca atcactgccc ttgcccttga agataacgag ctctggctca agcacttgtt 360

gggtcctttc tttcaatcaa gttgcaaacc gtttacgttg ccttttgcaa gtncg 415

<210> 3970
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-D5

<400> 3970

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg 120

gctcaatacc tacgtcggtt cgagccgggt tggcaaacgg ttcaaactcg ccgaacgtaa 180

ttcaactttc acgacggagc tccgtgctgg taccgccact ttcttaacca tggcttatat 240

cctcgccgtc aacgcttcaa tcctttctga ttccggtggt acttgctctg tttccgattg 300

tatccctcta tgctcaaacc cagcgatcga accttcgcag tgtaccggac cgggtctccg 360

attaatccaa cccgacgttt cctgtaaaat caaacccggt taatcctg 408

<210> 3971
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-064-Q1-E1-D8

<400> 3971

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tgggattgct gatctggaac cgctgtgaaa ttttaggttt tctctgagaa gacaggcaag 180

tttaacgatg gcggcgaaga cggccaagat caaaagctac gccgacgaag gaaaatggtg 240

tcagagtcga ggaaggattg agtctgttca agtctgataa gttcgatgct gatgcttatg 300

tgcaatccaa atgttctatc aacgagaagg atataaaagc agttatgctc gtatcctatt 360

gggatttgaa gaagagcatc tgctgaagaa atgcgggcga a 401

<210> 3972
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-064-Q1-E1-E10

<400> 3972

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attctaaggg gaaggtgtta cctgaaatga ttttgatatg ccagaatctt cgtaataacc 120

ttcagcatcc taatgagtac atccgtggag tgacactgag gtttctctgc cggatgaagg 180

agactgaaat tgtggagcct ttaactccat cagtgttaca aaatctggag catcgccatc 240

catttgttcg caggaatgcc attctggcca tcatgtcgat atataagctt ccacaaggcg 300

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cttctgccaa agagaaatgc atttctaatg cc 392

<210> 3973
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-E12

<400> 3973

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tgggcacttg aatggaaacc ttcacaagga gagattggca tgtgctagga tcacacttct 120

tggaacgaat ccttggcctt tcagtgatgg tgtacttttc tttgatagtt caactggaga 180

agaagaagag aaatctccag tttctggtgg tgaaggggtt cctgatacgt tggagcattg 240

tagtgatgat gaaagatttg ctattgtcaa gtatgataac aacaaaacaa atggagataa 300

tgtgcctgct gcagttactg atgatgaacc tagtcacgct gcagatgatc tgctaatttc 360

tggtgtgctg atnaaggaga gaactcctga t 391

<210> 3974
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-E2

<400> 3974

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tgaaaccgca actgaaagag ctgaagcttt cctctttggc tggatgttaa agcctttggt 180

anttggggat tatccggata taatgaagag aaccttgggg tcgagattac cggttttctc 240

agaagaagag tcaaaacaag tgaaaggatc atctgacttt gtaggagttg tacactacaa 300

cacattctat gtcacaaacc gacccgcacc ttctctcgtt accagcatta acaaactctt 360

ctttgcagac attggcgcat atccgatccc gctggggaat gctcataatc 410

<210> 3975
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-E6

<400> 3975

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cgttgtcaaa ttccttaaat ttcgttacaa aggtttgata tttccgatga gatctccagc 180

aaagacgatg ccgtcgatgt caccttcttc agtttccacg gagaaatctc cacctccgtc 240

agatacttca atggctatag tagctttcga taactccact actcacttct cttcttctcc 300

atcgccgcca cattctcttg atcattccag tgaatcggag aaggaagatg cgaaaagtaa 360

acccgagagt agaagaaaca agaatcctgg aaangttgaa ggaaactcc 409

<210> 3976
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-E9

<400> 3976

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aacaggctta cacatggacc aagggtcgtg caatctttgg aagtggaagc ccatttgatc 120

ctgttgtgta cgatggcaaa acctacttgc ctggccaggc aaacaattgc tacattttcc 180

ctggtctggg tcttggtttg atcatgtctg gggcaattcg tgtccgtgat gacatgctcc 240

tcgcagcttc tgaagcattg gccgcacaag tgacangaag agcattacgc caatggtctg 300

atctaccccg ccattctcaa acatcaagag agatctctgc naacaattgc agcctgtgtc 360

gnccgcccaa aaaccnattg acctccggat tggccgtcga aanc 404

<210> 3977
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C11

<400> 3977

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gtctgcntgt cgtaaagaaa tggcgccgag tagacgggat ttacagctta ctccggtcac 120

cggaggttct tcttcccaga tcagtgatat ggaagaagtt ggtcttctcg attcgtatca 180

caacnaancg aacgccgatg atattttgac taaaatcgaa gaaggaagag atgtttccgg 240

tttaaggaag attcaggtcg gagtcaccgg tatgacttgt gctgcttgtt ctaattccgt 300

tgaagcagct ttgatgaacg ttaatggcgt cttcaaagcc tctgttgctt tgttacagaa 360

tcgaaccgat gtcgtcttcg aacctaattt agt 393

<210> 3978
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-064-Q1-E1-F10

<400> 3978

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tgacattgga gctaattcga ctgttgttgt agctggaatt ttacatgata ctttagacga 120

ttcgtttatg agctatgatt atattctcag aacttttgga tcaggagttg ctgatcttgt 180

ggaaggggtc tctaagctga gccagttaag taaacttgct cgggagaaca ataccgcttg 240

taaaaccgta gaagcagatc gtttgcacac tatgtttctt gcaatggcag acgccagagc 300

tgttcttata aagttagctg atcggttaca caacatgatg actctatatg ctttgccacc 360

aatgaagcgg caaa 374

<210> 3979
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-H7

<400> 3979

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ttgcactagc ttccatattt tcaaccaatt ccggtgccgg ccaaggactt tccctaggtg 180

ttctgaatct agccattgtc gtccctcaga tggtaatatc tgtgggaggt ggnccattcg 240

acgaactatt cggtggtgga aacattccag catttgtgtt aggagcgatt gcggcagcgg 300

taagtggtgt attgggcgtt gacggtgttg ccttcaccgc ctccggatgc tcctgccttc 360

aaagctacta tggggatttc attgantttt agcagtgggt ggtttggctc tctt 414

<210> 3980
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A1

<400> 3980

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ctcaatgcgc aaagggatga tatggagaat ctcgacctag gagtagatgg tggtgaccat 180

cctctgaaga taagcgatgt caacggtgat acatcgaact ctggttaccg tagcgccatg 240

tcaacactct ccaacgtccg tgacccgctc tcgccgccac cgaccgttat gattccagct 300

gattctgatt cactccttgc gccatcctcc tacgaagatt tccgcagcag cttcagctct 360

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<210> 3981
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A11

<400> 3981

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tagacgggat ttacagctta ctccggtcac cggaggttct tcttcccaga tgagtgatat 180

ggaagaagtt ggtcttctcg attcgtanca caangaagcg aacgccgatg atattttgac 240

taaaatcgan gaaggaagag atgtttccgg tttaaggaag attcaggtcg gagtcaccgg 300

tatgactgtg cngcttggtc ctaattccgt tgaaacaagc tttgntgaac gttaatgggg 360

tcctcaaagc ctcngttgcc tttgttanag atcganccga tgtcgtcgtc gacccnaaat 420

tt 422

<210> 3982
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-064-Q1-E1-A2

<400> 3982

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cgtaccgatg gagatttgct tttcagcacc ggagcgatag atttcgctgg gtccggtgtt 240

gttcatatgg tcggaggtat cnctggactc tggggtgcgc tcatcgaagg tccacgactt 300

ggccggttcg ataacggagg ccgtgccatc gctcttcgtg gccactcggc gtcacttgtt 360

gtccntggga caatcctcct ccgggtttgg aatgggtacg gnttttaacc ccggt 415

<210> 3983
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A3

<400> 3983

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atcccatcca tggcttggtc tantcactag tggtgttacc tccctgtgtg gaataaaaag 180

caaggttttt taatcacttg gattgtttta agatatggca actttgaacc cntttgattt 240

gttggatgat gatgctgang atccaagcca gctcgctgtt gccatcgata anattgataa 300

gtccaagaaa tctggacagg tttcgagctt gccngctaag tcagctccta agcttccatc 360

gaagccactt cctcctgctc aagccntgag agangcaagg agtgatgctc cacgtnggtg 420

gtggaagccg ttgaagattt acccgtggnc gtggttggtt acaaa 465

<210> 3984
<211> 308
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A5

<400> 3984

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tcttaaattt tcttagttgt tgttctctcc tctctctccc agctacgaac atatctctct 180

cttcttgacc atttttaagt ttaagtcata tggagtattt atttcttcac tattttaata 240

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aaaaaagg 308

<210> 3985
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A6

<400> 3985

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gtccgacgcc gagttcgtca ggtccgtacg tcgtggaggc ggcctaccgg cggcccgtgt 180

agttgatagc atatcttgtc gacagatgta tctccgtagc tacactttct ctcgggaaga 240

cgacgagagc aaatcggaga aggtgtcgtc tgggacgcag acgtcgtgtc tagggagagt 300

taagggaaca gcgtcgtctc gacgtaagag taaggaggaa aatggcatca tcatcgttga 360

gagtacaaag ccgcgtcgtc nttggtgaaa 390

<210> 3986
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-A8

<400> 3986

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acggctttgt tgtgcctcca attttggcgg agcatttgct aacctttgaa cttgaagcgg 180

atgtgaaaac caacgagttt ttcttcgagt tcgaagtcaa ccgttacgaa gtggtgataa 240

aagaatgtgg agtactccaa ctctaagtcc tccatttttt tggaagactg gttgggacgc 300

acttggttga gaacttgaga gaagaacaag acagtgatct attgttattg tttcttccac 360

ttacctgaat cccacctcca gttcctctat aacatccatg gcacggcact tcttcaatgc 420

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<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 3987

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agagcagtct taaaatgcat agaagaatac aaactcgagg aagaattccc acccgagaat 180

ctcaagaaga ggttggatca gctagagaag accaaaaccg agaagagaaa accagccgtg 240

attcccgcca acaagagaac ccgagcaagc tacagcggtc caatgccacc agccaaagca 300

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ntccaaagtc actcanctca atacggtgtn ccagcataca 400

<210> 3988
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-B1

<400> 3988

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ctcaataatc gccttctcgt acttgtgtga aagctccctt ctttgtggag aaatggcaac 180

tgagaatcct attaggatat ctggaagcaa tgaaagatgg tctaattcta ggaaggtttc 240

tgttcctaat cgaagtggca gtgcgccacc gaacatggag gggtcttttc tagctgtgga 300

taatctattg tcacgacagg gcggctcagt ttacaataac ttgatgctac cgcgttacgg 360

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tccaacgatt tattanccta ctgagtatca gttcaataga caaaccgt 468

<210> 3989
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-B12

<400> 3989

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnagag gcctatgcag 120

cccccacgta agctcaataa ttattgagag gatattttat atacatgcta atctagtaca 180

catatacaat ctagtaacaa tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaaaca naaggnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnttgata aatttacan 379

<210> 3990
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-B4

<400> 3990

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tttgagtgtc gggttcgttt tagctgtaat ctttttttcc ggcgttcgat ttgaaaaaat 120

ccggggaaca ggtgatcgga atcacggcta tacacgggat atcacggggt gttagctcac 180

atgtccatat tgtccgacag aagggttgtt taatcgaaac taatcctttg ccgcacggag 240

gacgtggagc tctgccgtct gaaggcggca gcccttccga tctcctcttt ctcgccggtg 300

gcggttccag ctttaacttc ttttccttta ggttttagga gttanggttt gttagtgttt 360

tttccttctt cnttttttgg tgctccttaa ncccctttt cctgggggna a 411

<210> 3991
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-B5

<400> 3991

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cgcaattcgt atcggtaatt tttccttttg atcgcatttt ttttttatct ttgatcttcc 120

gtattaaacg tgctcgatct atatactcaa tgatcttata tgtgtatgat catgtaattt 180

ggaagttgaa atgtaaatca tctattcctt ggtaaattat tcttcgattt tttttctgat 240

ataggttaat ggtaattcct gtgattttta ctgatgtaat ctggtgttga ttgttgtgaa 300

ttcttgatct atgagattat gtcttaagat ttgccaaatg ttaaagtttg tttgatcttt 360

gacaaaatat tgtaggttta aagtaaaaaa gcaatgggag gtggtaaaag acaagcatca 420

tgatgagcaa gagaaa 436

<210> 3992
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-B7

<400> 3992

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nnnnnnnnnn nnnnnnnngg agcaaacatt tcacacgtgc aaggccagtg ggtggaaaaa 120

aatactagtc aaaatggatg gatggttcta gaagcaggga acggaaaaag cactccaaga 180

gacaagttat gcctgccttc ccattcggta caagttcttt ctaacagtgc atttcaacct 240

ctgggatacc cttcaactga ccacagcaag ttatcgggcg aaagagcatc tttcaaatgt 300

gaagttcgtc aaaggaatcc tgaggtttcc gtatgataag ctatgtggaa tcaagtgtgg 360

catcaaatgt tccaaggctt gaatcatgg 389

<210> 3993
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-H3

<400> 3993

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caatcccact cccgccaaat ccatcactcg acgtcactac tttcatttct tcacaagctc 120

atcgtggccg tatcgccttc atcgacgctt ccacaggtca aaacctcacc ttcaccgagc 180

tatggcgtgc cgtggaatcc gtcgccgatt gtctctccga gatagggatt cngcaaaggc 240

cacgtcgtcc tcctcctctc cccaaactca attttattcc ccgtcgtttg tctctccgtc 300

atgtcactan gcgcaatcat caccaccacg aatccactca acacttcaaa cgangatcgc 360

taaacagatt aangattcaa atccaatcct cgccttcaac acatcggcag cttctcccga 420

<210> 3994
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-C10

<400> 3994

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ccaaagtctt gagattttga atctctctct ttcacaagat tctagttcga cccagattca 120

ttcatcaaat ggactctctt cctgatgcga tccttcaata cattctttcc tacctgactt 180

ctgcaaggga tgtggctgct tgcaactgtg tctccaagcg atggaaagag tctacagact 240

ctgttaagag cgttgttttc cacaggaatt cattcgaaag catcatggag actgatgatt 300

ctgactccat cgttcggaag atgatctctt cttctcgtcg tcttgaggag cttgtggtgt 360

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gaangggtaa ttgga 435

<210> 3995
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-E6

<400> 3995

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gatcaaagcc ttgatgagat caaacttctc aagtatgtca accangcatg atcctgctga 120

caaatatcat ctccttcgac tgtatgacta cttctacttc cgggagcacc tgttaatagt 180

atgtgaactt ctcaaggcaa acttgtatga gttccaaaag tttaataggg aatcaggggg 240

agaggtttat ttcactatgc caagattgca gtcaattact atccagtgct tggaagcatt 300

gaactttctg catggtctcg gccttataca ctgcgactta aaacctgaaa acatactaat 360

caaaagctac agcagatgcg anatcaaagt tattgatctg gggaagtagc tgtt 414

<210> 3996
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-E7

<400> 3996

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tgtgaaccac tacacacact aacacaatga gagagatcct tcacattcaa ggtggtcaat 120

gcggtaacca gattggttcc aagttctggg aagtcatctg cgacgagcac ggcatcgatt 180

ccaccggacg ttacagtgga gacactgcag atctccagct tgaacgtatc aatgtctatt 240

acaatgaagc ttcaggtgga agatacgttc ctcgtgctgt tcttatggat cttgagcctg 300

ggtactatgg ataagtanca gatccgganc gtttggtcag atcttccgtc ctgataactt 360

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<210> 3997

<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F1

<400> 3997

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aaatcccgat agctaccaaa atatcttgat gatgcgtcac ggtgatcgca ttgacaaaat 120

cgatccactc tggcttgata cagctgcgag accttgggat cctcctctcg ttcaagacgg 180

tatggttcgt gcgtttcaaa ctggtcaacg gattcgatct cagatccaat ttccgattca 240

ccgtgtcttc gtctctcctt ttatccgatg tatacagact gcttccgaaa gtcatcgctg 300

gctctctccg ccgtcgattt cgatcctaac gctacttcgt ccaaagacgt cacttcaatc 360

gatanatata aagcttaagg tttccattga atttggtttg angtgagatg ctgaattcaa 420

t 421

<210> 3998
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F10

<400> 3998

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agattgttcc tttagggcta atgttctttt gcatcctttt caattacaca atccttaggg 120

acacgaagga tgttttggtg gtgacggcta aaggaagttc tgctgagatt ataccctttt 180

tgaagacatg ggtgaatctt ccgatggcta ttgggtttat gttgctatac accaaacttt 240

ccaatgttct ctccaaaaag gctctctttt acactgttat tgttcctttc attgtcnact 300

ttggagcctt tggtttcgtg atgtaccctc tcagcaattt gattcatcct gaagctcttg 360

ctgataagct tcttgcaaca ctcggcccca gattcanggg gcctctc 407

<210> 3999
<211> 419
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F2

<400> 3999

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aagaagatgc agagctcgtc atcatacctt tccctttctc cggacacatt ctcgcaacaa 120

tcgaactcgc caaacgtctc ataagtcaag acaatcctcg gatccacacc atcaccatcc 180

tcnattgggg attacctttt antcctcaag ctgacacaat cgctttcctc cgatccctag 240

tcaaaaatga gcctcgtatc cgtctcgtta cgttgcccga agtccaagac cctccaccaa 300

tggaactctt gngggaattt gccgaatcnt aacattcttg aatacntcaa agaaaatggg 360

ttcccatcat naggagaagg tctctccact ctcttgtctt ccggcgataa atcgggttn 419

<210> 4000
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F3

<400> 4000

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cccagatttc gaaattgaat ggcggacgaa ctggaattgt cgccgttggt tccaccgtcg 120

ccgatggtcg agccttccga gatcgatctc gaagctggag gacctggtga acaaattcag 180

tgccgaatct gccttgaaac tgatggtagg gatttcattg ccccatgcaa atgcaaagga 240

acatcaaagt atgtacatcg tgattgcttg gatcattgga gagctataaa ggaaggtttc 300

gcgtttgcgc actgcacaac ttgcaaggct ccatattatc tgagagttca caagtgctgg 360

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<210> 4001
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F4

<400> 4001

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tcttctggat gcgcgatcgc tttgattttt ctgctcttca tccatggagc tcactcattc 120

tatctcccag gtgttgctcc tcaggatttc nagaagggtg atganctgaa ggtgaaagtg 180

aataaattaa cttccataaa gactcagctt ccatactcgt attactccct tccttttttgt 240

cgccctangc aagattgtgg acagtactga gaatcttggn gaantgcttc ngggtgagcg 300

gattgagaat gccccatacn cgtttaaaat gcnggangca caaatgtgca aataatctcg 360

ggcccgggtc antcntgatn gccaannaa ctnaangcgt ttaaacgaaa aanatt 416

<210> 4002
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-F5

<400> 4002

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aatggaattt ttccagaaag caaaagctat tcgaatgcgt aacagtcaca acaagtatct 120

aacagcagac gacgatgaag aaaccgtaac tcaaaaccgt aacggatcta ccaaaaacgc 180

tcgatggacc gtcgaaccgg ttcgtgattc tttccatgtt attcgtctta aaagctgtta 240

cggtaagtac ttaaccgctt ctaacgagcg gttcttgctc ggggctacgg ggaagaaagt 300

gattcanntt gaaactgagt cgggttgatt cgtctgttga agtgggaacc gcttagagaa 360

gggtctaaga ttaagcttan gactagatct gggtanctaa nttacgaggg taatgggtg 419

<210> 4003
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-063-Q1-E1-F7

<400> 4003

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gatcagacgg gacggtatgt aggagattcc gagttacagc ttgagagggt taatgtatac 180

tacaacgagg cgagttgtgg aaggtacgtt cctcgcgctg ttctcatgga tttggagcct 240

ggaaccatgg acagtgtcag atctggtccg tacggtcaga tctttcgacc ggataacttc 300

gtcttcggtc agtccgggtg ctgggaataa ctgggctaaa ggtcactaca ctgaaggtgc 360

tgagcttatt gattcggtcc ttgatgttgt tcgcaaacag gctgagaact ggt 413

<210> 4004
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-G10

<400> 4004

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caatcatgaa ggccaccata tccatcacta ccatctttct cgtggtcgct ttggccgcac 120

cctccctagc tcgtcctgac aaccatgtcg aggactctgt aggccgtcta cttcgtcctg 180

gtcaaacgta ncacatcgta cntgcgaatc ccgagacagg aggaggtatt ttctcgaaca 240

gtgaagaaat ctgtcntcgt ganatcttcc agtcanacaa tccgcntgan ttgggcgnan 300

ccatcangnt tangtcngag ttatggtttg ttaacgaata tgantagtat cnccancgag 360

tttgaggctc cgnaactggt ttnttgtgtc cgggaggaat ccancggggt gggtga 416

<210> 4005
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-G11

<400> 4005

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tcatgcgttt acaagaacgg agacgcgcca gtggaggcgc gtgtgaagga ccttctctct 120

cgcatgactt tgccggagaa gatcggtcag atgactcana tcgaacgcag agtcgcttct 180

ccctccgcct ttacagattt cttcatcgga agtgtactaa acgctggang tantgtaccg 240

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aantantgtc tacggcgcca ctgtcttccc gtcaanaaag 400

<210> 4006
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-G12

<400> 4006

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cctcttctac gacgttgcan aaactaagaa gagatgggtc ttctctccaa cagaatcgat 120

agatcgagtt tgaaacctgg agatcatatc tactcctgga ggactgctta natctatgcc 180

catcacggca tctatgttgg agatgataga gtcatccatt tcacgnanac gaggccaaga 240

agttggaacc gggactgttc tagatctcat actagtcagc tcaggtcnat ccngaaacca 300

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taantgtttc cnanccggtg gggtcctggt ancggtttgg gt 402

<210> 4007
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-G6

<400> 4007

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cggaatcact cccgagcttc ttcccccgtc acgcctcctc cgccagagcc ttcgttatca 180

gcggcagact tccggtaacc gatgaactcc tttctcatct ccttctctc cagattctcg 240

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ttatcaccaa acgctggcaa cgcgttttcc gatgacgttg ctgatttgtg ccgtcggttt 360

gcttaataag cgttctccgt cgtattcctg ccgccgattc gttaacgtcc gggtccgg 418

<210> 4008
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-G9

<400> 4008

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ncattattga aggtcaagtc ttactcngac aacttcaagt ggaaaggcaa tcctcaacca 180

naaaactgat gttacacctt cttccaattc ttctcganca aaagaagaaa cctcanttga 240

tattaattct catgtttctt tgttanttta gcatctgtga gctttttggt tgaaaagaac 300

cattatccat gggctatgtt tacttattac aataatatga tgatgatgat naagcanact 360

cctttganat ttaagancaa naaataaagg gcgggcgctc taanaggat 409

<210> 4009
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-H10

<400> 4009

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gagctgatcg gtctctattt ctctcttcat acatatctca agcagataaa gttgatcgga 180

tantanaatg ggaggaggat ttagagtttt gcatttggtg aggccattct tggcttttct 240

gcctgaggtt cagagtgctg ataggaaggt tccattcaga gagaaggtta tctacactgt 300

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caccggtgcg gnttcattcg attggatgcc tgtcattcnt gcgtccaa 408

<210> 4010
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-E5

<400> 4010

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ttatatatat anacttgttc aactcttctt cgaacgctgt ccaacttctt cctctggttc 180

gatcatcgag atctcgaggt tatttggccg caatgcagaa gcgaatagcc ttgtcgtttc 240

cagaagaggt actanagcat gtgttctcgt ttattcaagc tggataagga taggaactca 300

gtctctctgg tgtgcaagtc atggtacgag atcgagcggt ggtgcaggag gaaagtcttc 360

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aattccgttg gagcttaang gaaaac 446

<210> 4011
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-G2

<400> 4011

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atggcgacag aacaagaagc tgaagttgga acagagacat cctctgtttc cggaaggttt 180

ttgaggaaca gagatttata tctcttcttg ccttttctct taggcttctc tgatcaagaa 240

tcatcaaacg gagatgatga tgatgttgct tcatcgcgtg agagaatcat tttagtcaac 300

ccttttacac aaggaatgat tgtgctcgaa ggctcatcag gaatgaatcc tctgcttccg 360

tagcttactg gagtcacgtg aggaaaggtc gtcctcctgc gtccaaggct tccatccgat 420

gccaatgccg atcgttggag aattgatggc tgtgnangga naatggtgtg ntctgttttg 480

gagggat 487

<210> 4012
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4012

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caatggcttc tcgtatcatc aatcattcca aaaagttgaa acatgtttcc gctttactgc 180

ggcgtgacca tgctgtggca gtccgctgtt tctccaacag tacccacccc tctctcgttg 240

gaagagaaga tatcttcaag gcccgcctga ttattcctc tgtagagaga atttcaaaat 300

gtggtactgg caatgtaaca atgcttagtg gtatttcaac aacgagcaca aaanctaanc 360

agcccaatgg caggaccaaa actatttaaa ggaatttata agctcccaag atgcgatcag 420

tgagaggatt ttcatccagt 440

<210> 4013
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-G9

<400> 4013

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agaagaacca ttatgtcctt acacgagatt accaatggcc gacccgaatc aagaaaccca 120

tggcccccgg agaagaagac cctttaaagg tctcctcgcc gtctcatttg gtctcttgtt 180

catcgccttt tacgtcgctc tcatcgccac acacgacgga tctagatcca acgacgaagg 240

gatcgatgaa acagagacga taacgtcacg tgcacgtctt gctggtgtgt cngagaaacg 300

taacgatggg ttatggaaac tttccggtga tcggaacacg ccggcgtttg aatggaacaa 360

tantatgttg tcgtgggaac gaacggngtt tcantttcag cctgagcaaa attggntgaa 420

<210> 4014
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-H8

<400> 4014

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aaaaccctag atccaagatc agacctaatc taatcgaaac tcatagctga aaaatgaaga 120

gagatcatca ccaattccaa ggtcgattgt ccaaccacgg gacttcttct tcatcatcat 180

caatctctaa agataagatg atgatggtga aaaaagaaga agacggtgga ggtaacatgg 240

acgacgagct tctcgctgtt ttaggttaca aagttaggtc atcggagatg gcggaggttg 300

ctttgaaact cgaacaatta gagacgatga tgagtaatgt tcaagaagat ggtttatcgc 360

atctcgcgac gggatactgt tcattataat ccngtcggga gctttaagtc ttggcnt 417

<210> 4015
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-062-Q1-E1-A11

<400> 4015

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ttaatcctct ttttggtcac ctctggtaaa ttttaactcc gtacttctca catacttatt 120

aaaatttgtg attcatacga tccatagagg atttaattat ttctgttggt gattgctgca 180

agtttcttta tatgtgaatt ttatttgcca aaactaattt atttgtatat acatgatatg 240

tgagcagaaa tatctgagat agaagcgaaa gataaggaat gtctaaaagg atacattgat 300

gcgcctttaa gctattgtat ggctaggatt tatccgtcgt tgtgttatcg aaattgtcgt 360

ttttacaagg gcgcgaaagg tgggaaaatg cgacg 395

<210> 4016
<211> 423

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-A4

<400> 4016

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ctcgacggga aaccgataca accgttgaca atatgcatga tcggcgccgg aggtttcatc 120

ggttcacatc tctgtgaaaa gctcttgacc gagacgccac ataaggtgct tgcgctcgat 180

gtttacaacg ataagatcaa acacttgctt gagcctgata ccgttgaatg gagtggtcgg 240

atccagtttc atcgtatcaa tattaagcat gattcgagac ttgaaggtct tgttaagatg 300

gcggntctga ttataaatct tgctgcgatc tgtactccaa gctgattaca atacacgtcc 360

tcttgatact atctacagca atttcattga tgcgcttcca gttgtgaaat actgttctga 420

gaa 423

<210> 4017
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-062-Q1-E1-A5

<400> 4017

acgcgtccgg aagcatatta ctttagagaa caatgagaac aaacctgtta ccaacagcag 60

agacacacaa gaggttaagt tggagcaagg tttgaagatt gtgaaaattt tcaaggagca 120

tagcagcaag acttgcattt tggatgattt ctcattctac gaggttcgac agaagactat 180

cttggagaag aaagccaagc aaacccagaa acaggtaagc gaggagaagg taaccgatga 240

aaagaaggaa tctgcaactg cagagtcagc gagcaaggaa tctcctgcag ctgttcaaac 300

gtccagtgat gttaaggttg ctgagaatgg gtctgttgct aaaccagtca caggcgatgt 360

ggtggcaaat ggttgctaac taagaggatg gtgtcgctca cggcatgggc ataaaactga 420

ctagagatga agatatg 437

<210> 4018
<211> 432
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-A6

<400> 4018

acgcgtccgc attgaacaaa agtattcttc cgattagttt accaaatata ttatttggtt 60

cgtttgaaat ctcttatatc acggtttaat aacgccgtgg tattcactgt tacgactagc 120

tcgccggaga agaagaagaa tgaaggagga gaagaaagac gacggagtaa tggctgagga 180

gaagccttac atgttctgga tttggacttt ggcttctacg attttccgat tattcctgat 240

cttttccccg gcaaatatca acctatcttc ccgtccggag gtctccaccc ctcacaccag 300

ccttcgccgc cttgctgaag gttactggtt gaagcagtca tcactgtcgc catacgcagg 360

atcaatgtat catggctctc cattgctact ctccattcct cggtcntctc acagttcaga 420

ggatcgangg gc 432

<210> 4019
<211> 316
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-A8

<400> 4019

ccgaacaatc gttttacatg gttggaggta tcgatgaggt ggttgcaaag gcagagaaga 60

tcgctaaaga gtcagcagct taagagattg attcagatct ttcatgctta atacttctct 120

ttttttttcct gacaataacg aaaaaaaaaa accaatgcgt gcgactctcc gaccaaacgg 180

aatctgagtt ccgtaattat agtttctttt ggttcaaatt ccatgagagc tggcaagatg 240

atactgaaca gatccattca ctgttaatca aatttttggt tgtttnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnngg 316

<210> 4020
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-A9

<400> 4020

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cataagtttg agtatagact gagagtagca ttgggacatg atggagattt gacgttaaca 120

tctcgtgtta agaatactga tacaaaacca tttaacttca catttgctct tcacccctac 180

ttcgctgttt ccaatatcag tgaaatccat gtcgaaggat tacacaactt ggattacctt 240

gaccaacana agaacagaac acgtttcact gatcatgaga aggttataac tttcaatgct 300

caacttgaca ggttgtacct aagcactcca gatcaactaa gaatcgtgga ccataagaaa 360

aagaagacta ttgttgtaca caaggaggga caant 395

<210> 4021
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-B3

<400> 4021

atatctacaa tctctagaaa atggcgatca cttacttgct tcctctgttt ctttctctta 60

tcatcacctc ctctgtttca gctaatttcc aaagagacgt tgagatcact tggggtgatg 120

gtcgtggaca gatcaagaac aatggagagc ttctcacttt atctctagat aaatcctctg 180

gttctggatt ccaatccaaa aacgagtact tgtttggtaa agtctccatg caaatgaagc 240

ttgtccctgg aaactccgca ggaacagtca caacacttta cttgaaatca cctggaanag 300

gaagggacga tatagatttc gagtttttan ggaattcaag tggagaacct tacacacttc 360

acacaaatgt ctacacacaa ggcanaggag acaaaggaac aacaantcaa 410

<210> 4022
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-B5

<400> 4022

acgcgtccgc aacggcgaag gtattggaaa taagacagaa gctgttagct ctgtttctcc 60

atggtgtcaa gatcttgtgc taattttcta gacttatcat cttgggacct tttagatttt 120

cctcaaactc cacgaactct tccacgcgtc atgactgttc cgggaatcat caccgacgta 180

gacggtgata caaccttcga agtaacttct acctccggtg gttcacgtga gaggaagatc 240

attgtagcta acatgttacc actccaatct aaaagagatg cagaaactgg taaatggtgt 300

tttaactggg acgaagactc tctccagtta caacttagag atgggttctc ttcagaaaca 360

gagtttctct acgttggatc acttaacgta gacatcgaaa ctaacgaaca agaagaagtt 420

tcacangaag cttt 434

<210> 4023
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-062-Q1-E1-B6

<400> 4023

acgcgtccgg caagctcatc actgaaaaga gcttaaacca gagagatctg ataagagaaa 60

ttttagagtc tctctgcttc aacaagatct acatcgacca ggagattaga aagaatcatg 120

ggttctaagc ataacccacc agggaataac agatcgagaa gtacactatc tctactcgtt 180

gtggttggtt tatgttgttt cttctatctt cttggagcat ggcaaaagag tgggtttggt 240

aaaggagata gcatagctat ggagattaca aagcaagcgc agtgtactga cattgtcact 300

gatcttgatt ttgaacctca tcacaacaca gtgaagatcc cacataaagc tgattccaaa 360

cctgtttctt tcaaaccggt gtgatgtgaa gctcaaggat tacacgcctt gtcaagagca 420

agaccgagct at 432

<210> 4024
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-062-Q1-E1-B7

<400> 4024

tgttacgcct gcaggtaccg gtccagaatt cccgggtcga cccacgcgtc cggtttatct 60

ctccgacgta accatggata gcgatactct ctcaggatta ttggaaaacg tcgccaaaaa 120

attccccgat cgccgagctc tctccgtttc tggaaaattc aatctcactc acgcgcgtct 180

tcacgatcta atcgaacgcg ccgcttcacg ccttgtctcc gacgctggaa tcaaacccgg 240

cgatgtcgtt gctctcacct tccctaacac cgtcgagttt gttataatgt ttttagcggt 300

gataagagct agagccacgg cggcgccgtt gaacgcagcg tacacggcgg aggaatttga 360

gttttacctc tccgattcag attcaaagct attgttaacc tctaaagaag gaaacgcacc 420

ggctcaagaa gcagcttcaa agctgaaaat ctctcacgtc accgctacgc tgcttga 477

<210> 4025
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-061-Q1-E2-G11

<400> 4025

acgcgtccgg agaagccggt ttcagatttg atcaattcga agaattgtgg ctttcgttcg 60

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tgtggagata gttagagaga tttatgagat ttcaagaggg gttattataa cgcacgcatg 180

gtgttcgacg gaaagccgca gagaagtttt gttgctatcc gatttgactg agactcaaag 240

tttgaaaatt gttacttggg tattgagaaa gctaaccttg ggcaagttcc gtatatgagt 300

tgggagtaaa acgacggtga tacatttgac tgtttttcaa ctaaactaac tttgaaatgg 360

tgagccttgt ctgtttcgaa taagagatac acttaacata caccaaagtg gggaagttaa 420

gtcaacctag agaa 434

<210> 4026
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-B9

<400> 4026

aaccagaacc tgaaaagtca cctgcttggg ttgagtggag agagacctct gagtccaccg 60

caccaccttc ttccaaccca gaggagacta ccatattgtc cannnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncaa aagtgcagtg aaaacaccag 180

gtgtacctgg cgatgaaacc acagagaagt taccagatga gagtggtgtt gaacccactg 240

agaactcacc aaangctagt ggcattgaac ccacagagag ctcaccaaaa gcgagtggga 300

gctgaagtaa ctggaaactt gagagattcc gatcctgctg aatctcatgc ggatgctaaa 360

agctcnga 368

<210> 4027
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E11

<400> 4027

aagccatgac gcgtacttta cggatgatat gcctcaagta tgtgaattcg tcacccatct 60

ttggaaaatt tagagtgttt tatttatctc ttatttccgg gttgattttg gtgccagata 120

aagcctttga atcactctca tgatttacca gcgccggatc aaaacggaga gacttatata 180

tgtagctgca tgatttactt gcgacccacg aatggtgcaa agcttctaat gaagaaatgg 240

agtgaggaac ttcagtccca agcttggtct gagtcaatcc gttttaaagc caaatgatca 300

gcccngcttt naaccttgga acttaanaaa ncagccanca angtnanttt tggggnctnc 360

aacgttcaat tnctccaaat cnanngcatn aaatcctcct aagnaacctt 410

<210> 4028
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E2

<400> 4028

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gagccaaagg tctaggcatg accgttatct cccacgaccc ttacgcgcca gctgacanag 120

ccagagctct cggtgtcgat cttgtttcat tcgatcaagc tatctccacc gccgatttcg 180

tctccctgca catgccttta actccggcca ccaaaaaggt cttcaacgac gaaactttct 240

ctaagatgaa gaaaggtgtg cgtctcatta atgtcgctag aggtggcgtc atcgacnagg 300

atgcactcgt tagagctctc gatgccggaa tcgttgctca ggcagcatta agatgtgttc 360

tgtgaggaac caccatcgan aagatagcaa gactaantca gcatgaanaa tgttactgtg 420

aacacctcat cntg 434

<210> 4029
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E5

<400> 4029

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ggagtttgag tttgttgggt gaagcttatg atcgatgcgg tgaagtttgc gctgaatatg 120

ctaagacgtt ttatcttgga actttgctta tgacacccga aaggcgaaag gcgatttggg 180

caatctacgt ttggtgtaga agaactgatg aacttgtgga tgggccaaat gcttcacata 240

taactcccat ggntttagat agatgggaag caangttaga anatcttttc cgtggtcgtc 300

ctttcgatat gcttgatgct gctctcgctg atacanttgc tagatacccg gtcgatattc 360

agccanttcg agacatgatc nanngaatca gaanggactt gangaaaacg agataccagg 420

a 421

<210> 4030
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-061-Q1-E2-E6

<400> 4030

acgcgtccgg ttttggaagc tattacgaca aagaagtgcg aagatcagtt ccacttggaa 60

tcactagaaa ctcttggtga ctcttttctg aaatatgctg tttgtcagca actattccaa 120

cactgtcata ctcaccatga gggtcttctt agcacgaaga aagatggaat gatttcaaat 180

gtcatgctct gccaatttgg atgtcagcag aaacttcagg gatttatccg cgatgagtgt 240

tttgaaccca aaggttggat ggttccaggt caatcatctg cagcttattc acttgtaaac 300

gatactctac ccgagtctag aaacatatac gttgctaagt acgaggaatc tgaaacgcaa 360

gagtgtggcc gatgttgtag aatcattaat tggagcatat ctcaacgagg gacgtgaact 420

tgcagctttg atgttcatg 439

<210> 4031
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-061-Q1-E2-E7

<400> 4031

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tccgagcctc cggtttctca gctagtcaag tagacaccat tccaggcatc ctcctcctga 120

tcttcatatg cgtcttgata tgcccattta acacattcta ccgtccaaca aggttctgct 180

tcatccgcat cttgcggaag attgtttgct caccgttcta caaggttttg atggttgatt 240

tcttcatggg cgatcaactt actagccaga ttccattgct gagacacctt gagacaaccg 300

ggtgttactt cttggctcaa agcttcaaaa ctcacgaata caatacctgc aaaaacggaa 360

gatactatag agaatttgct tacttgattt ctttcttacc ctacttctgg cgtgccatgc 420

aatgtgtaag gaga 434

<210> 4032
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-061-Q1-E2-E8

<400> 4032

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ccggatccga gattaaaaac aatccggatt gtttatattt actttagatc ggagaaagat 120

gccgccggcg accggagata tcgatcgtca gatcgagcag cttatggagt gtaaagcgtt 180

atctgaaacg gaggtgaaga tgttgtgtga gcacgcaaag acgattcttg tggaagagta 240

taatgttcaa ccggttaaat gtccggttac cgtctgcggt gatatccacg gccaatttta 300

cgatctaatc gagcttttc gtatcggtgg ttcttctcct gatactaatt atcttttcat 360

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gaaaagttcg ttacagaga 439

<210> 4033
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E9

<400> 4033

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attaatggat tcagtgaact ccttcaaagg atatggaaaa gtagacgaag ctcaagattt 180

agcattgaag aaaaagacaa gaaaacgtct acttctacta tccatctccg tcgtagttct 240

catcgccgta ataatcgccg ccgtagtcgc caccgtcgtt cacaagaaca aaaacgaagt 300

caacaccgaa gtccacctcc cgagttaaca acatccactt cactcaaagc catttgcagt 360

gtaactcgtt tccctgaatc ctgcatttca agtancccaa agcttccatc ttccaacaca 420

acaagatnca gagactcnat tcangctctc aattgaaaag taanccatcn gatgaacttg 480

attc 484

<210> 4034
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F1

<400> 4034

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ttttggtcgt caccatcatc cctccagtga tgctactttg ttctccagtt ctttacctgt 120

tttccccccgt ggaaaactgc aattgagtga taacagagat ggtttctcac tgatagacga 180

tacggntgtt tctcgcacaa acaagtttaa cgaaagtgct gatgactttg aatctcattc 240

cattggaaac ctgctccctg atgaaganga tcttttgaca ggnatgatgg atcatcttga 300

cctgggggaa gttaccaaat gctgangatt atgatccgtt ttgggtagtg gaggagngaa 360

tggaacttga ccctnanttt cgaaaccaac tntcagtatg a 401

<210> 4035
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F10

<400> 4035

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gtgtgggaaa ctcaaccata tccaccatat tctcactact ccaccacatg tatttactac 120

agttttaggg tggcaaaaca catgtgagac tgtanaagac atagcagcta ctcttgcagc 180

cttgaatacc gagatagaca tcagcatcat gtaccgtggt ctgggaccct aagagcacat 240

atagcttagt ttctgtggtt tgttattatg gacagcatta tcattgtttt gcacatagtc 300

gtgagcacga tcagtggatc atgtacgatg acaaaaccgt caaggtgatc ggtagctgga 360

tngatgttct ttcaatgtgt gaaangangg acacttgcag ccacaggttc ttctccacga 420

aa 422

<210> 4036
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F11

<400> 4036

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gaaggacctg agggatttca gacaagagac tacgaagatc cgccaccaan tccgtttttc 120

gatgcggacg agcttaccaa gtggtcttta tacagagccg tcattgccga gttcgtagcc 180

actctcctct tcttgtacat caccgtttta actgtcatcg gttacaagat tcagtccgac 240

acaaaagccg gtggagttga ctgcggcngc gtcggaatcc ttggcantcg cgttggggct 300

tttgggtggg catgatcttc aaccttgtct actgcancgc ccggtatccc aanggnggtc 360

acaatnaacc cctggcggtn aacgtttggg gtttggtccn tanccccggg aaaggtaatc 420

cccng 425

<210> 4037
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F12

<400> 4037

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taatgtcatc acgacgtcag catcggaagc tggaccggta gaaggagtct tcgtcggagc 120

tgtatttaac aaggaagaga gtaaacacat cgtaccgatc ggtacgcttc gcaattcccg 180

gtttatgtct tgtttccggt ttaagctctg gtggatggcc caagagaatg ggagaaatgg 240

gccgagatat tccctacgag acgcagttct tattgggcga agagcaacga tgggtcccac 300

cttgagtctg acggagctaa cgggcgtcna gtgtnaccag aaagtttaca ccgtttttct 360

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ngttgag 427

<210> 4038
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F4

<400> 4038

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ctctcgaatt tgatcgatca catatttcat ctgtgtgttt tcattttgag gatgccagca 120

acggaatatc aaagatcatt cgggaggtct tttctgaatt tacggcgaga cacggcggtg 180

aactcggttg agtcaacgac ggttaccccc gagttgactc agatggaagc agagcttgtt 240

tcgtttcaag agaaaagttg ctgagaggtt tatcgatctc aatgcgtcta gttgtgaaga 300

tctactgtct ctcgaaatgg gttgggaagc ttcttgattc cgtttctanc ttgtcaagaa 360

gagttccgtt ccanagtcat caatcatcgt tcgatgaata cnaaacaccg atggattgaa 420

gtggtttcaa aa 432

<210> 4039
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-G1

<400> 4039

ggattgtgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnngct aacggcagga gagagagaga cccagaaatc cgntccctcc 120

tctccttgga ttatcggagt cagcgattca tcgtcgctga taaagcttct acctttctct 180

tcgatttttg ttgtgagatt cgattcgatc ttaaggcgga ttacatcgag gtatgcagca 240

nggcgatcaa acggttctga gcttgagacc tgggtggcgg tcgaggaaac agactatttg 300

gttcctcntc ttcttcntcg tcnctcnctt ttggntctct ttcantcttc gggatnnann 360

tctccttcgt cctcatgggt ggtgctcccn gcgtcctctt tncccgtca aggggtg 417

<210> 4040
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-G10

<400> 4040

acacctgncg gtacggctcc aaaattccca aggtcgaccc acgcgtccgn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaagaccg 120

aagagagtac aggaagtgac gattgaattg gnaaaagtta cnaatttgac agggatgacc 180

aagagtaaag ggatanggat tcccggagag aggacangaa tgcgaatgcc ggtgactgcg 240

acgcatttgg cnaatgtatt cattgagctt gatgataatt tcttgaaagc ttctnaaagt 300

gctcatgatg tttctaanat gcttgaagct actaggctcc attancattc taattttgca 360

gataaccgag gacatattga tcactcctgc taagagtgat ncgtgtaatt acatgggaat 420

aggattactt tagagggaaa taccaaatgc ctggattgat ggggaaaaag atgatgtttg 480

atttttg 487

<210> 4041
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E10

<400> 4041

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ttttgagatc attatattta cagctagcca aagtatttat gctgagcaac ttctgaacgt 120

gcttgaccct aagagaaagc tctttcgcca tagagtgtac cgtgactcgt gtgttttctt 180

tgatggtaac tacctcaagg atttgtcagt cctcgggcgt gatttatctc gtgttatcat 240

tgttgataac tccccacang catttggttt ccaagtggaa aatggagtgc caatagagag 300

ctgggttaat gacccatcan gataaagaac tcccttcact tgcctgncaa tttcctngaa 360

aagcctaant ggngtttaag aangtaaggc caatgattgc caaagnaant caatctaagg 420

ggagaaa 427

<210> 4042
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-B1

<400> 4042

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gagacgagaa attttaaggc ttggctctta gatcagtatg gagttcttca tgatggcaaa 120

aaaccttacc ccggtgctat ctcaacattg aaaaatcttg caacagcggg tgccaaaatt 180

gtgatcatta gtaattcttc tagacgtgct tcaactacaa tggaaaagtt gaaaggcctt 240

ggctttgatc cttctttctt caccggagct ataactagtg ggtgaactaa ctcatcaatc 300

tttgcagagg aganatgatc cttgggtttg ctgcactggg aaagaggtgc aantcacatt 360

acttggnaat gagccgangn agcaatcccc ntnggngggt ccaaaatnct aanatgtttg 420

ttggagaaan gttggaaaa 439

<210> 4043
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-B6

<400> 4043

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gattaaaccc agtttctcaa tttgggtttc aaagaatcgt tgctgggaaa agtaagagct 120

tcttctccaa ttcgggtcaa aggagattgt tttctgatag ttctcggttt cgtcaagcca 180

tggctgcttc tggttctttg ccagtgtttg gagacgcttg tttggatgat ttggttacta 240

cttgttcana tggcttagac ntcacgaana nncnttcnag gtgggtgggn aggcggcacg 300

agttaggttg tccngtaggc gagggatggn gcttgggaaa gagagggagn gaatggatga 360

aggagaccgg ttgggtttgt cactattctg ttgttgatcc gctagaaaaa gagtcgtgca 420

ctcctttggg acattgtcta aagagtgttc ata 453

<210> 4044
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-B9

<400> 4044

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caaaaaattt atctttgttt ctctcttttg tttctttcct ctgcaaagta aagttatgag 120

agcttaataa tgtttgtctc atcttcaagc ttcagatctg attccttgtt tctacaagta 180

attgtcnctt tctttttcga ttaaccacca tttctgtgaa gaaaactttt tgccttgctt 240

caagattcga agtgaggaaa aattttagct gaaaatgctg gaaattggaa agtcccaatg 300

ntctgttttt cccgtacgaa nacnanctgg naaaancctc cccgtgagct tcnagaaaat 360

atgggttgaa aattggggag antgagactg agaaag 396

<210> 4045
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-C10

<400> 4045

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atctttgaat atcacaatat ttactattta caatggcgcc acaagaacaa gcagtttctc 120

aggtgatgga gaaacagagc aacaacaaca acagtgacgt cattttccga tcaaagttac 180

cggatattta catcccgaac cacctatctc tccacgacta catcttccaa aacatctccg 240

aattcgccac taagccttgc ctaatcaacg gaccaaccgg ccacgtgtac acttactccg 300

gacgtccacg tcatcctccc gccaaatcgc cgccaatttt cacaaactcg ggcgttnaac 360

aaaaacgacg tcgtcaatgc tcctcctccc aaactgtccc cgaaatcg 408

<210> 4046
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-C7

<400> 4046

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tcagcttgtt gaatttgcga agtatgggag acgctagaga caacgaagcc tacgaggagg 120

agctcttgga ctatgaagaa gaagacgaga aggtcccaga ttctggaaac aaagttaacg 180

gcgaagctgt gaaaaaaggg tacgtgggaa tacacagttc tggattcaga gacttccttt 240

tgaaaccgga gcttctcaga gctattgttg actcaggatt tgaacatcca tctgaagtgc 300

aacacgaatg tatccctcaa gctatcttgg gtatggatgt tatctggcaa agcaaagtct 360

ggtntggggg aaagactgct gtgtttgtcn cggtctactc ntacnacaag attggnacca 420

tctcctgggc cagggntttc tgc 443

<210> 4047
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D1

<400> 4047

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gctttgtcgg ggccgcgttg tggcaaactg ccaaccgatt atcggacttt tcccgccctg 120

tgtgtgcagc tgtgcctcat taaaccttag gcgcactgtc tgtggtcact gtcaagcgtt 180

cgcgtggtgt cctgggtcga ccaaattttc gattttctct cggcgttgtg ctgtttgatc 240

tgagagcgag cgtcgcgagc catgcaggcg gcgccgcctt ctgacagata ccacctggtt 300

tatatttgct tcctcttact tggtctcggc ttcctcctcc catggaacgc ggcatnaagg 360

gncgtccgat taccttcaan gccacgttcc caaggcgagc cgntcg 406

<210> 4048
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D10

<400> 4048

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tctggatcca agctgatgag ctctacgtct tcctcccaga tggttcagct cgtagctgac 120

aagcatgtac gttacattct gatggcagaa aagaagaaag agagttttga gtctgtggtg 180

atggatcatc taagaatgaa tggtgcatac tggggactca ccactctcga cttacttgac 240

aagctcggct gtgtttctga agaggaaagt catttcatgg ctcatgactt gccagcatga 300

atctggtggc tttgccggta acactgggac acgatncaca tatcctatat acactcaagt 360

gctgtacaaa tcttgggcct anttgacaaa atcaacattc ttgacatttg ggaaagtgtc 420

aa 422

<210> 4049
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D12

<400> 4049

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tcgttgatct ctctgaaagc ttctcttctt cttctcacca tgtctggtta tcctccatca 120

agccaaggtt acggttacgg cggtaatcca ccacctcctc agncaccgta cggatcaacc 180

ggcaataacc ctcctccgta cggatcatcc ggcagcaatc ctcctcctcc gtacggatca 240

tcaggctcct caccgtacgc agttccctac ggagctcaag cgcgctcctt acgggtgnac 300

caacgtcaag caaccgtaag gcgtctcttt caanggaaga ncanaannaa agnccgnaac 360

anagnggaaa acctcaacgg gnggctccta agggggtntc caatctnccc gggtgggct 419

<210> 4050
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-061-Q1-E2-D2

<400> 4050

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gttcttgact tcttctgcgt ccctatgatc gatgtaggaa acgagtttaa tctcccttct 180

tacattttct tgacgtgtag cgcagggttc ttgggtatga tgaagtatct tccagagaga 240

caccgcgaaa tcaaatcgga attcaaccgg agcttcaacg aggagttgaa tctcattcct 300

gggttatgtc aactctgttc ctactaaggt tttgccgtca ggtctattca tgaaagagac 360

ctacgagcct tgggtcgaac tagcagagag gtttcctgaa gctaaggggt attttggtta 420

attcatacac agctcctcga 440

<210> 4051
<211> 423
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D5

<400> 4051

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tgtgaatgat tgtcggcaaa ttgggattag ttgtcccatt gttcctggaa ttatgcctat 120

taataactac agaggctttt tgcgtatgac tggtttctgc aagactaaga taccagttga 180

ggtgatggct gccttggagc ctatcaagga taacgaagaa gctgtgaaag cctatggtat 240

tcaccttggn acagagatgt gtaaaaagat gttggctcat ggagtcaagt ctcttcatct 300

ctacacattg aacatggaga aatctgctct tgcaatattg atgaatcctt ggtatgattg 360

atgagtccan aatttctcgn tccttanccc tggangacnc cctgcanatg ttttccgtta 420

cta 423

<210> 4052
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D6

<400> 4052

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tgagacggtt aaacacctga tcggctccgg tggtcccang cggattcggg tcaagatcca 120

ccgccgatca tgtcacttgt aattctgatc tccgttctct aactgccatc atcactggcg 180

cgacgtcggg gataggagct gagacggcgc gtgttcttgc taagcgtggc gcaagacttg 240

tgcttccggc tagaagcgtc aaaaccgccg aggaaacaaa ggctcgtata ctgtcggagt 300

ttcctgatgc ggagatcatc gttatgcatc ttgatctcag ctcacttacc tctgttcgtc 360

gattccgtgg gacgatttcg aaatctcctc aatctcncac tc 402

<210> 4053
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D8

<400> 4053

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ctctcgaatt tgatcgatca catatttcat ctgtgtgttt tcattttgag gatgccagca 120

acggaatatc aaagatcatt cgggaggtct tttctgaatt tacggcgaga cacggcggtg 180

aactcggttg agtcaacgac ggttaccccc gagttgactc agatggaagc agagcttgtt 240

tcgtttcaga gaaaagttgc tgagaggttt atcgatctca atgcgtctan ttgtgaagat 300

ctactgtctc tcgaatgggt tgggaagctt cttgattccg tttcnatctt gtcaagnaga 360

gtttcgttcc atantcatna ngcatcgttc cnatgatnac naaaccaacc ganggatcga 420

t 421

<210> 4054
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-D9

<400> 4054

tgttacgcct gccggtacgg cgtccnnaat tccanggtcg acccacgcgt ccgcattctc 60

ancctttct ctttcgttat cgtagtctca tcctcaagct ttactccacc gcgtcaccca 120

tttgatccct taaccgagac cgaactcaaa ctcgtccgaa ccatcatcaa caagtcgtac 180

cccgttggtc cgaatcataa gttcactttc caatacgttg gtctcaacga acccaacaag 240

tctctaagtc ttgtcttggt actcatcacc gaatcatacc atcaaaccac caccacgcca 300

aagcgttcgg tcattgctcg agacaacggg aaaagaccag agagatagtc cttgaacttt 360

tcctcncgtg ncatcgtctc ggacaaaatt cacgtaggga aatggttacc ctatggtctc 420

aaacgacgaa gcaagaangc atccancgag cttgttgtca aagttcaagg ccgtttaatg 480

actc 484

<210> 4055
<211> 444
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-E1

<400> 4055

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taacaagtag agtttcccaa aatattggat atatttcttt ttcaaatttc ggaaaagaaa 120

tgagttgcaa tggatgtaga gttcttcgaa aaggttgcag tgaaacatgc atccttcgtc 180

cttgccttca atggatcgaa tccgccgagt cacaaggcca cgccaccgtc ttcgtcgcta 240

aattctttgg tcgtgctggt ctcatgtcnt tcatcncctc ccgtacctga actccaacgt 300

ccctgctttg tttcagtccg ttgttgtttg aagcgtgtgg gagaacggtg aatcccggtt 360

aacngagcng ttggtatgtt ntgggnncan gaactgggca cgtatgccaa gcgggngttg 420

anaactggtt cgtcgccggg ggaa 444

<210> 4056
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-A6

<400> 4056

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aactcaaana acagagatgg atttcgagaa gagaaaagct gcgacacttg cttcaattcg 120

ttcatcagtg actgataaat ctcccaaagg ttttctcgac gaacccatca tccctctcct 180

cgaaaccatc aatcatcacc catcttactt cactaccagt tcctgctcag gtcgaatctc 240

aatcctttct caacccaaac caaaatcgaa tgattcaact aagaagaaag ctcgtggcgg 300

ttcatggctc tanatcacac acgacccagc tgattcggat ttggtaattt cncnccnttt 360

cccttccaan gtcanntcag attgacccan ttggaccaac ctaagga 407

<210> 4057
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F12

<400> 4057

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cattcgcgtt gaggaaaatc ggtgttcctc cgaactcggc gancctgacg gaagctcgcc 120

gccgtgtttt cgatttcttt agagctgcct gtagatcnat ccccaccatc atggacattt 180

acaatcttca aggatgtcgt cgctccttct cagctccgct atgctatctc tgctcagatt 240

cggaataacg ctcacatcan cggatccnaa ggtaattgat cntcgtatat tnaaacgaat 300

gganagagct tgctgacatt gtggntcacg caaancagcg tcaccacatc atcgggtcaa 360

tatgtngtng gtgaancggc tccgtgcagg atactgggaa aacanngatc angggaaaag 420

actgganttt cncaagaaat ttctaaaacg agn 453

<210> 4058
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F2

<400> 4058

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aatactggga aaatacttgc ctcttgcctg agacctctaa agaacccaac tgcgatttgt 120

atgcacatta tagagaactg ctatgaaaac tatgaaacgc ccagtgaaaa accagctgaa 180

aatccatctg ggaaggataa acatgagaac aaatctcata taatcaaagc tagtgagagt 240

cattcaccag acggtgaaca gaatgctgtc acagaaacaa aacttattga tcagatattt 300

gcgaattcat tanttctcat gtgttctgag gatgcactgc gcttgtatac tgtaaagtct 360

cnatctcagg gaagtcntga gagcattang gaggtaaatc ttccaaggcc gtgttgctgg 420

atgggaatcc ctaaaagaag atggaagggg aatntgcant actcctgttt taccgaacag 480

ggca 484

<210> 4059
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-F5

<400> 4059

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tcactcgaat tcgggtcatt gaactgattc ccggggctcc gaatcaccag aagatccgaa 180

atccgttgca tcgcaagcgc ttgcttatcc tgagctgaaa taacaagatg attcacattc 240

gtcgtcctcg cagccgtagc cgccgcagaa gaagacgatg aagacgacga cggagatgga 300

agcacaccgt tatggatctg aactggaact ttccctatgg tatcagcttc actagccatc 360

atttcgaaca gcgtcggact tgatcgtgtc ttgtcgtgca tcgccggagg cggaggagga 420

gacattggat ttagaagacc tgccgttaaa gcgga 455

<210> 4060
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F6

<400> 4060

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ttcattttga tccttcttcc ttcctctgga gatttctcaa atctcttcaa ctattttgat 180

ttgccgccat gtatcgacgc gccacttccg gcgtgcgttc tgcctccgca aggctttctt 240

cttccctctc caggatcgcc tctagcgaga cagcttcggt ttcggctcca tctgcgtcgt 300

cgcttcgcaa tcagacgaac cgatctaaga gtttctcctc ggctctccgc tcctttcgag 360

tttgctctgc ttccacgcgg tggagccatg gtgggagctg gggatcgcct gctagccttc 420

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<210> 4061
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F9

<400> 4061

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ttatttgttc atcaagatgg caaatctgtc cggttaacgc tcgatgaaag aaccggttcc 180

ggttttgttt caaatgatta ttacttgcat ggattcttca gtgcttcaat taaattacct 240

tctgattata cagctggagt tgttgttgcc ttttatatgt ctaatggaga tatgtatgag 300

aagaatcatg atgagataga ttttgagttt cttggtaaca ttagagaaaa agaatggaga 360

gttcaagaca aacatttacg gtaatggaag tactcattca ggaagagaag agagatataa 420

tctctggttt gatcctactg aagattttca tcaatacagt atcctctggt ccgattctca 480

cat 483

<210> 4062
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-G1

<400> 4062

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aatttttcta gggttagggc tcctgatcga tttcgcgagc tctgcgatta ttttaagtat 180

taggatccga aattagaaat gggtggagag ggagattcaa gtcagccgca gagtggtgaa 240

ggagaagctg tggctgtgaa catcaggtgc tctaatggca cgaaatttag tgtgaagacg 300

agtctcgatt caacggtgga gtctttcaaa gagttggtgg ctcagagcag cgatgttcca 360

gctaatcagc agcgcttgat ttacaagggt cgtatcctca aggacgatca aactctcctc 420

agctaaggtt tgcaggctga tcacaccatt catatgggtt aagaggctct gcancttctt 480

cagcaccacc tcctgctccg gccg 504

<210> 4063
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-G10

<400> 4063

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gtgttcctct gtaatttctc agtatatata gataccaaaa caagcagtga aaaatggcta 120

tggcgagttt atatcggcga tctcttcctt ctcctccggc cattgacttt tcttccgccg 180

aaggcaagct aatcttcaat gaagcgcttc agaaaggaac tatggaagga tttttcaggt 240

tgatttcgta ttttcagaca caatccgaac ctgcgtattg tggtttggct aatctctcag 300

tggtgttgaa tgctctttcc atcgatcctg gacgtaaatg gaaaagggcc ttggaggtgg 360

tttgatgaat caatgttggg attgctgcga acctctggaa gtaatgaagg aaaaaggcat 420

ttcatttggg aaaaagttgt ctgtttggct caattgttc 459

<210> 4064
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-G11

<400> 4064

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agtgcttagc atggcaccag gacttgaacg cctcaacatt ctacccttca aggtcgctgc 180

atatgacaaa actcagggga aaatggcctt ctttgatcct tccaggtctc aagacttcct 240

cttcatatca ggaaccaaga tgcgtgggtt ggcgaagaag aaagagaacc caccagatgg 300

tttcatgtgt ccctctggtt gggaaggtgt tggttgacta ctacgacagt ctcaagtgca 360

gagactggta atggaagggt ttcagaagct gttgcttctg cttgaatgca aaaggtttcc 420

ttgtcccaca aagattcaca tttcctgttt gttagtaact 460

<210> 4065
<211> 451

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-G12

<400> 4065

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cctcaagatt tccggggaac gctcatcagn cagcagaagg agaggtcggn gaggaacaaa 120

caggcggagg ttnatgcgtt ggtcagctct ggngggagca tacgcgacac atatgctctt 180

ctttggaatc agcaaatggn gaggaggagg canttggctc agctaggctc tgccactggt 240

gtctacaaaa ccctggtcaa gtacttggta cgggttccac aggtgttgtt ggnntttatt 300

cgacaagata aacgatnatg atgggccaaa tggnataaca gcaagaacgt tatgnacccc 360

cctctagaca antctcacaa gaaatggtga tcgcaaattc gggttttcct aacacttctg 420

nncggaaaga tatgatacct tcanactgag t 451

<210> 4066
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-G3

<400> 4066

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tttagctatt ctttggtctt cgtttcgtgt aagcattcaa tgtttttttt cttttatctc 120

tttgggaaac gggagtgtgg tcttcgtgtg tgtgtccctg tttcattaac caataattat 180

gcttgggagt ggaaagcaag aaaaattcta aactttatat aaaattccca gaatcaattg 240

atccaaaaag agtattgtca aaaaagataa tcaagaagaa gaaactctgt ttttttgttc 300

tgttcttgga aaaaaatgag gagtatgatg atggagagag agggaaggaa tgagatagaa 360

agagaagtaa tagatgactt ggaagagacg caaaacgaag gagatgattt caaagtcaat 420

acctccatgg aaggaacaaa tcactttcag aggaattgtt gcaagtttaa tcattggtat 480

a 481

<210> 4067
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-G8

<400> 4067

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aaagaagaca ctatccttcc tcttccccat acagtccatg tcatgacagc aggagctgct 180

cctccacctt ctgttctctt ctccatgaac cagaagggct tccgagtcgc tcacacctat 240

gggctttccg agacttatgg tccttccacc gtatgcgctt ggaaacccga gtgggattcc 300

ctccctcctg agacgcaggc ccctcaatgc tcgccaaggt gtccgctata ctggcatgga 360

gcagcttgat gtcattgaca ctcagaccgg aaaacctgtt cctgcagatg gaaaaaccgc 420

aggagaaatt gttttccgag ggaatatggt gatgaaaggt atctaaagaa tccggaa 477

<210> 4068
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H1

<400> 4068

gcacncncgg tccggaaaac cgggtcgacc cacgcgtccg ctctagngtc ggggcctcga 60

tctcttgatt tgagcttttc ttangtctgt ctctctctgt acactctctc cgccgtcgta 120

tctcgccgtc gatttcaatt tttccgacga tatgaagctc accgttaaaa ctctcaaggg 180

cagtcatttt gaaattaggg ttttaccctc cgatacgata atggcggtga agaagaatat 240

agaagattca caaggaaaag acaattatcc atgtgggcag caattgttga ttcacaatgg 300

aaaagttttg aaagatgaaa ctagcctggt ggagaacaaa gttacggagg aaggatttct 360

cgtcgttatg cttagcaaga gcanatctgg aggttcaagc tggtcaggct tcgggttcan 420

acttcttctg tttcacagcc ctgtttccgc taccacatcn tcgactaagc ctgcangctc 480

catctaaanc ccagtcttca ccngttccct gcttc 515

<210> 4069
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H10

<400> 4069

actcacgggt caacccacgc gtccgcaagt tttacttaag ccgttacggt cttggtcgta 60

accccaaggt ttggtctgat ccacttagct tcaaaccaga aaggcatctc aatgagtgtt 120

cggaagtgac tttgacggag aatgatctcc gttttatctc gtttagtacc ggaaagagag 180

gatgtgctgc tccggcgtta ggtacggcga taacgaccat gatgctagcg aggcttttgc 240

aagggtttaa gtggaaacta gcaggaagtg agacacgtgt cgagcttatg gaatcgagtc 300

atgatatgtt tctttcgaag cctttggtgt tggtcggaga attgagattg tcggaggacc 360

tttacccaat gggtgaagtg aggcgacggt gacgtacggc gaagataatt ccgtatatac 420

tatggataac ccaaagttta ngtgaatcac aaaccaaact ttgttcggtt ttgg 474

<210> 4070
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F11

<400> 4070

ccctgccgtt tnggtcgcca attcccgggt caanccacgc gtccgcaaac gggtccagtn 60

tggcactcat tagacagccc gtctgggcag gtttgcctta acattaatgc aatcaaacta 120

cccgtgaatg ctcctagggc tgtaactgga tatgctggag ccggtagaan aagggtcaca 180

ttggatcagc aaggnccaac aattgtacat caaaagccag ggcctctgca gacgatattt 240

gatctcctcc cggatgaggt tgtcgaccac agttattcat gtgccctgga gaggtcattc 300

ctgtatcatg gccgaatgta tgtttccgcg tggcacatat gtttccactc caatgttttc 360

tctaaagcaa atgaaggttg ttgtccctct cggngatata gatgagattc gtagaagtca 420

acacgcgttg ataaacccaa gctataacaa tcatactacg gatgggtgct ggtggacatg 480

gtgttccccc tctt 494

<210> 4071
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D3

<400> 4071

gttttctgcn ggccacggtc cgggaanacc ggggtcgacc cacgcgtccg gcggtnaaaa 60

cangagttcc aaaaaggtgg ctccnttttg tttctggana tgcgttattg tgacccttct 120

ttgaagattt acggttcatt ttctcagatt tcgagttcgt tgtgtttgaa tctcnattgg 180

gtttactttc ttattcgatt tgggggaaat ggctgattgg tatcagcttg cacagtctat 240

aatctttggt ttgatcttcg cttaccttct cgctaagcta atctctatcc tcctcgcttt 300

taaagacgag aatctctcac tcactcgtaa ccacacgact caatcggngt atgagaactt 360

gcgaaaggtc gaaactttaa ctgggattag cggcgagact gattctctta tanctgagca 420

aggtagctnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnaggca tttagtgctg ctacggcttt 520

<210> 4072
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D6

<400> 4072

acgcgtccgg aattaagaga gcaaaatgag cataaatagg aatctgttga atatcataat 60

aatcctttgt atatgtctca atttgggttg taacgatgga gctcaagaaa gagagactga 120

ttctcatact atccaagtca gctctctcct cccttcatca tcatcatctt gtgttctttc 180

tcccagagcg tctactacaa agtcttcact gcacgtgacg catagacacg gcacgtgttc 240

gcgtctaaac aatggcaagg ccacgagtcc agaccatgtc gagatcctaa gactcgacca 300

ggctcgcgta aactcaatcc actcaaaact atcgaagaaa ctcgcaacag atcacgtcag 360

tgaaagcaag tcaacggatc taccggctaa agacggaagc acactcggtt caggtaacta 420

catcgtgacg gtcgggcctc gggacaccaa ggnacgatct atcactaatc ttcgacactg 480

g 481

<210> 4073
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D8

<400> 4073

ctgttttgcc tgcgccnaca gtgtccgnga antcgcgggt cgacccacgc ntccncaggc 60

ttccgcttan atcatcggtg ttgccggatg ggccactggt ctcaaactcg gtggcgactc 120

accagggatt cagtacagca cccaccgtgc catcgggatc gctctcttct ctctagcgac 180

agttcaggtg tttgcgatgt ttctgaggcc aaaaccagag cacaagcata ggctctactg 240

gaacatttac caccacacga tcggctacac gataatcatc ctaggggtgg tgaacgtttt 300

caaagggcta ggcatattga gtcccaagaa gcagtggaaa aatgcctaca tcggtatcat 360

tgttgttctc gccattgtgg ccaccctact cgaagccttc acctggtatg tagtcattaa 420

aagaaggaaa ctggaggcta aaacggctca gcatggagca tctaacggca ctcggtctca 480

gtatgcttaa gattagcanc agacttgctt c 511

<210> 4074
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D9

<400> 4074

acgcgtccgc tataatacag cttttattct caaattttgt ttgtcttacc atcattacca 60

aaccatgcaa gccgcaacgt cgtgtgatct caagttccga tcaacagatc cgacgtctag 120

gaacaaatgt ttctcccacg cgattccaaa gcgcgtggct gttacgtgcg gttataggtc 180

ggagtcgttt agcttcccta acggtgtctc cgtgagtcga tctgattggc aaagctcatg 240

tgccatttta tctagtaaag ttgcttctgt tgaaaatacc ggtggtttag cgggacaaaa 300

tcgccgccgt taatgggtca cacgaacggc tctgtgaatc ttggtctcgt cgccgttgag 360

tcaactaacg gaaagttagc tcctgctcaa ccgtttgact attactgatc tatctccggg 420

naccgttgca tggttctagt ccaacgtgta gcttaacaag 460

<210> 4075
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-E10

<400> 4075

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acggaagcca tgaaaatggc atcaagaaaa acaacatcct tgcttaatca tcttcttctt 120

cttggagctt tgactctttt gagcagtttg gtgatagtga aaggagaaag cccttacaag 180

ttttacactt ggactgtgac ttatggcatt atctctcctc ttggtgttcc tcaacaggtt 240

attctcatca atggtcagtt tcctggtcca aaacttgaag ttgtgaccaa cgacaacatc 300

atcctcaacc tcatcaacaa acttgaccaa gcctttcctc ttgacctgga atgggattaa 360

gcagaggaag aactcatggc aagatggtgt tttggggaac aaactgtccg attcaaccaa 420

actcaaactt cacttacaaa ttccaaacca aagatnaaga tnggaacttt caactacttc 480

ccttccactg gcttttcaaa 500

<210> 4076
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-E11

<400> 4076

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aatggagata aaaccctcta ggatattctc caccatcacc atcttctttc tctgccttct 120

actagcacac gtcacctcca aggcatcatc atcatctctg tgcaatggat ctgtggcgga 180

gtgcagcagc atggtggaga cagaggaaat gagtgtgata atggagtctt ggtcaagcca 240

gaggttgacg gaggagcagg cacataagct ttcgtatgga gctttgagga ggaatcaagc 300

ctgcttgcga tggtggtaaa cgaggcgagt cttactcaac tcaatgtctt cctccaccgt 360

ctaaccctta tagtanaggc tgctctaagc attaccgatg cggccgtgac tcttgaccat 420

tcaccatcat gaatctttat gttgttaaac acctaagttc ttaattttgt tgggtgaant 480

ttgaattgtt ttggtttcaa gtaaa 505

<210> 4077
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-E4

<400> 4077

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gattacacag tccctagtcc gaaagtaccg gacaattgcg gtgacagcca ataggaacg 120

gtcggatgtg tagctgtgga cagtgctgga aatctagctt cggctacatc aacgggcggt 180

tatgtcaaca aaatggttgg cagaattggg gatacgccag tcattggcgc aggaacttac 240

gctaaccacc tttgtgccat ctcagccaca ggtaaaggag aggatatcat ccgtggaacc 300

gtggctagag acgtggctgc actcatggaa tataaaggct tgtctttgac tgaggcagcg 360

gcttatgttg ttgaccaatc tgttcccaga ggaagctgtg gactcgttgc tgtctctgcc 420

aatggtgaag tcacaatgcc gtttaacact ancggaatgt c 461

<210> 4078
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-E6

<400> 4078

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tccgtgacag caaacctgaa gatgataaag ttcctaaaga agtggatgat gaggacaaag 120

atgggttcct taagaaactt ttcagggaaa aaaatgatga caaaagacat ggtagtgaaa 180

agaatgaagc caatggaaca gtgtatgccg ataagaaatc tggtgaagag gatgagaggg 240

aggggttttt caaaaaattc tttaaggaaa aatctgatga caagaaagac attgtcaagg 300

ttgatgacgg gaatgaaagt gagggtgatg aatctccaga attttctctt ttcaaaagat 360

tattccgtat acatcccgaa gatgcaaaac ctacttcaga aaatgaaaat agcagcaatg 420

gcttagttga aagcagtcct gggacagaaa acttttttccg caagttgttc agagatcgtg 480

accaatctgt tgaagattct gaactgtttg gatcaaagaa acacaa 526

<210> 4079
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-E7

<400> 4079

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gatctcctcg aacccatcat cttaaatcgc ccgatcaatt ctatctccgg cggtctagca 120

tttttcatcg ccggcgaaac atttttttacc aattctccag cttggctaat caactccgat 180

cacgttccgt attcccaaat tcgatctcga agggggacat agagaagtct ttcgcgaagg 240

agaatcacga gactttgatt acttttggca ctcttatgtt ttcttactga ataaagggac 300

ttcatttaca gcaactggag ctgtttttat tgtttacctc caagcgcata attaaacgag 360

aggcatgaag aactgctgaa ttcaatcaat gcaagtttgt ttcgttagct tgaatggatg 420

tagcaacaga tactacaagg cggcgtcttc ttcatccgac aagaacaatg cagtt 475

<210> 4080
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-E8

<400> 4080

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tttgggtgtt gtggggagga tgatgatatg cataaaactg ctgattatgg aggtcgtcat 120

aaccaagcca aacactttcc tccaggaaat gatgcaaggc accaccaagc ctctgaaact 180

gcacagaagg gtcctccagt tgtgaagttg cagcctattg aagtacctat tatccctttt 240

agtgaactca aagaagcaac tgatgatttt ggatcgaatt ctctcatcgg tgaaggctct 300

tatggaagag tatactacgg ggtattaaac aatgatctgc cttcagcgat taaaaagttg 360

gattctaaca aacagcctga caatgaattc cttgctcagg tttccatggt ttctaggctt 420

aaacatgata actttgttca acttcntggg ctactgtgtt gatgggaatt cacggatac 479

<210> 4081
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F1

<400> 4081

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tttgataaaa tcctttgtgt tgaaggaaaa aaaaatcata taggtaacgt ttgatacaag 120

taaaaaaaaa aaatttccat cactttcttg ggtaaaaaaa acatgggtta gaggaaaaac 180

tggggaaaag attttagatt aagtgcgtaa agaattctga ttccttcgtc tccgatctct 240

catttttctg gagaaattgt caaaaatttc agatatctat attgtcttgg aactgaagat 300

tcatcgaaag attggtgagt tttattcgct gcttatcgct tgtgggcaat cacatcatct 360

gtgttatgca tccaagtaat ggtgtcacat aaagtcttag aanttgggag atgaagggtt 420

acaaattacc tgctcaagct cgaagctccg aggatnactc cggaaagaag cgcattnacg 480

aaaagg 486

<210> 4082
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-F10

<400> 4082

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ggagctgtag agacttgttt tgggtcgttt catcggtacg ctcaatacat gaatttctca 120

catcctttga tcaaagagaa gtttaatccc aaagcatgtg cgtgggcgta tggaatgaac 180

ttctttgatc ttgatgcttg gagaagagag aagtgcacag aagaatatca ctactggcaa 240

aatctgaacg agaacagggc tctatggaaa ctggggacgt taccaccggg gactgatcac 300

cttttactca accacaaagc cgctggacaa atcatggcat gtgcttgggc tggggttaca 360

atcccgagca ttagcatgga tgaaatncgc aacgctgcaa gtggtacact tcaacggtaa 420

catgaaagcc catggcttga catanctatg aaaccaagtt tcgaccacct ttggaccaaa 480

acacgtccaa ctaatgaacc tccnaagttt gttca 515

<210> 4083
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D2

<400> 4083

acgcgtccgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttgttatcc cggcgttctt 60

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cttacggcgc cgtctccgtc gacgttggaa caatctatct tggtggcaag gagcatcgtg 180

ttaaaactgc tagtggtgtt gtgtctgtca ttgtctatgg agacagagaa aagccagcat 240

tgattactta tcctgattta gccctaaacc gtaaggctaa agaatctcta taggcactaa 300

tgtaatggct aaatttatta atgtttttgt tgtttcttct tcagatatgt catgcttcca 360

agggttattc ttctgtcctg aagcagcttc attgctgctc ataacttctg canttaccat 420

atcagtccac ctggggcatg aanttaggag ctggctccaa attggcccaa atgantcaat 480

tcc 483

<210> 4084
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-B4

<400> 4084

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gctttttctt ctctattact gcaatcactt gttcacgata atggcggacc tctcctctgt 120

cgatgagttc ctgaatcagt gcaaacaatc cggcgacgca gcttatggcg ccttgcgatc 180

ggtcttggag cggctcgagg atccgaatac tcgatctaag gctcggatct tcttgtctga 240

catctacaaa cgcgtcggat cttctgagac gtctctccaa acctaccatt ttcatatcca 300

ggacatctat ctcgatcaat acgaaggctt tcagtccagg aaaaagttaa ccatgatggt 360

cattcctagt atttttattc caagaagact ggtcatttac attttatgaa gggacttaac 420

aagacatccc tgacaccaac ctttaaggnt aagactgttt cctgaacttg gctgtgggaa 480

agggttggat aatcaataan ccattgctgg 510

<210> 4085
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-B9

<400> 4085

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gcgtccgccc acgcgtccgc gttgcttcat tttccttgag atcgattggt acaagtgttc 120

atccaatggt tggaggagga gttatccggc agcttcttag aaggaaactt cattcccaat 180

cagcaactcc ggtattgtca tggttgtctt cgaagaaagc gaatgaagat gctgggtctg 240

ctggtttaag agcatttgct ctcatgggtg ctggtattac cggattattg agtttttcta 300

ctgttgcatc tgctgatgag gctgaacatg gtctggagtg tcctaactac ccttggncac 360

atgagggcat tctcaagctc atatgaccaa tgcttcgatt cgtcgtggtc accaagttta 420

tcagcaagtt tgtgcgtctt tgccattcga tgtctctgat ctcataccga agacttggtg 480

ggttgttgcc ctaaacaaga gggaaaaagc 510

<210> 4086
<211> 507
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C12

<400> 4086

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ccacgaacac tgctggtgct agagtcattg tgactgagat tgatcccatc tgtgcccttc 180

aagctttgnt ggaangactt caggttctta cccttganga tgttgtctca naagctgata 240

tctttgtcac caccaccggt nacanngaca tcatcatggt cgaccacatg angaagatga 300

nnaacaacgc tattgtgtgc aacattggtc actttgacaa tgagattgac atgcttggac 360

ttgagactta ccctgctgtg aancgtatca catcaagcca nagactgnca ggtggggtgt 420

tcccangaga ccanggctgg natcattgtc cttggctgaa gggtcgtccg gaatganctt 480

ggggttggtg gccnctgggt cacccca 507

<210> 4087
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C2

<400> 4087

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aaccctagtt ctgaatggaa tcggcggatt ccggacgatc cgatccggta aaaggagacg 120

acccgggtcc atctttcgtc tcttcaccac cagctacacc tagcaggtat gagtcacaga 180

agcgacgcga ctggaacacg ttcttgcagt acctcaagaa ccacaagccg cctctcgcgt 240

tgtcacggtg tagcggagcg catgtgatcg agtttctcaa gtacctcgac cagttcggta 300

agaccaaagt ccacgtggcg gcttgtcctt acttcggcca tcagcaacct ccgtctcctt 360

gctcatgccc tctcaagcaa gcttggggat ctctcgatgc tttgatcgga cggttgagag 420

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cgg 483

<210> 4088
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C4

<400> 4088

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aagaactgtt taggtcaagt atgacttaat tctgccaaat ttctggtgtt tattcaaagt 180

tcaaagtcaa ttgaacaaaa ctttttatca gataaactga agcaatgtat accgagggag 240

cctctgattt tgtcattgac cagagcatgt attatcccgc ttattactct tcaggttatg 300

attcatctgt gggtcttcag ggtgggcaaa atgaaaatgc tccctatatc tgctatacac 360

caagttatgg atatgcacag tctccctaca atccctacaa tccttacata ccaggagctt 420

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<210> 4089
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4089

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agtcctttaa ggttttaata acccagtttc atgggggtta cttccttgta tctagccctg 180

ttatagcaag gagctcgtga tcatgagtgg tacagagtta gatgagcctg gaaagttaaa 240

acgtgctgtc attgatgctt ctgctggtgg tgttgctggt gcgatttcac gtatggttac 300

ctctcccctt gatgttatca agattagatt tcaggttcag ttggagccta cagctacatg 360

ggctctgaaa gattctcagc tgaaaccgaa gtacaatggt ttgtttcgaa caacgaagga 420

tatctttaga gaggaangtt tatcgggttt ctggcgtgga aatgttccag ctttacttat 480

gggttgtgcc ttatacatcc atacaatttg cagtcttaca 520

<210> 4090
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C6

<400> 4090

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nnnnnnnnnn nnnnnnnnnn aagctccggt ggtgttaaat acccgcctcc gtacggcggc 180

gacggctacg gtggctatta tccgcctcct tactacggca attacgggac accaccacca 240

ccgaatccga tcgttcctta ttttccgttt tactatcata ctcctcctca gggatattca 300

ggctcggctc gtttacagaa ttctctcctc tttgctctgt tcgccgtctt gctctgtttt 360

gtgtgacggc gattcatctg tatttggccg ggaaaagtgt acggtgtaaa actgaaatat 420

cttgtttact tanttaactt tttttacatt ttgttgacaa tttgtattat taaan 475

<210> 4091
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C7

<400> 4091

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aataaaaaca aaatctctta cctcaaaaga aaaagctctc ttatggctgc ttcttcttct 120

gtgagaccca ccccaacggg acctcaagtg ttcatcaact tccgaggaaa agatctgcgt 180

aacggcttcc taagctttct tgagcctgcc atgagagaag cgaacataaa cgttttcata 240

gacaaggacg aagtggtggg cacagatctg gttaaccttt ttgtgaggat ccaagagtca 300

agggttgcgg tggtgatctt ttctaaggac tacacaagtt cggaatggtg cttagatgag 360

ctggccgaga tcaaggactg cattaatcaa ggcggtctca atgcgattcc catcttctac 420

aaacttgcac cttcctccgt gttagaactc aaaggaggtt ttggcgatac tttcagggtt 480

ctaaaggaga aatataaaaa tgatcctgan agaactcaaa 520

<210> 4092
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-C8

<400> 4092

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agttaaaaaa aacgggtttt cgacaccatg gatatgagtt caatggctgg ttcaatcgga 120

gtttcggtag ccgtactccg attcctcctc tgtttcgttg ccacgatccc tgtttcattc 180

gcttgtcgaa tcgtcccgag tagactcggt aaacacttgt atgccgctgc ttcaggtgct 240

ttcctctctt acctctcctt tggcttctcc tccaaccttc acttccttgt tccgatgacg 300

atcggatatg cttcaatggc gatttataga cccaagtgtg gaatcatcac tttcttcctc 360

ggtttcgctt atcttattgg ctgtcatgtg ttttaaatga atggtgatgc gtggnaagaa 420

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ntg 483

<210> 4093
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D1

<400> 4093

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gagttgttgt tgccttttat atgtctaatg gagatatgta tgagaagaat catgatgaga 120

tagattttga gtttcttggt aacattagag aaaaagaatg gagagttcag acaaacattt 180

acggtaatgg aagtactcat tcaggaagag aagagagata taatctctgg tttgatccta 240

ctgaagattt tcatcaatac agtatcctct ggtctgattc tcacatcata ttctttgtag 300

acaatgttcc tattagagag gtcaaacgta ctgcggaaat gggtggtcac tttccatcaa 360

agccgatgtc tctctacaca acaatatggg acggttctaa atgggcaact aacggtggaa 420

agtacggtgt aaactacaaa tatgcgcctt acattgcgcg gttctcggat ctaatcctgc 480

acggctgccc cgttggaccc tatcgagcag tttccgang 519

<210> 4094
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-D10

<400> 4094

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ttaaccttgt cgtcatcggt cacgtcgatg ctggaaagtc caccactact ggacacttga 120

tctacaagtg tggaggtatt gataagagaa ccatcgaaaa gttcgagaaa gaagccaagg 180

aaatgggcaa gtcctcattc aaatatgctt gggtcttgga caaactcaag gctgaaaaga 240

gaaagaaggt attaccatcc atattgcccc tggtgggaag ttcgaaaccc tctaaatact 300

aacttcaacc aatcnattga tggcccctgg gccacangag aatttcatca aagaaacaat 360

gaattactgg ggaacctcct ccaancctga acggtngcaa ncctccgtaa tngcttcccc 420

tngccnggaa anttcnaacc tgggaaccnc aaanacgggg gaaaacccnt tgaaaatgcc 480

<210> 4095
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4095

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aaattcaagt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nngacctaaa tggtctgttc aatcaatccc cacaaagaaa 240

gatgtggagt atccgattat ccgactcang agattacctt gacgaccggt atgantcatc 300

ccggngagct ctctacaacg acgaangccn ccgattcaag gaaaatggga aancnngaag 360

tttacttgaa aananggttt tacntggggt tgantgcgaa nngttactgg gacggaatna 420

agaanccntt taggatnaag aaagaaaccc gtcnttcnga gggtttccgt ttcct 475

<210> 4096
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4096

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ccgcggacgc gtgggtttct ccagaacctg acggaaaaaa acttgaatct gcaaatcgac 120

ttccccccgga gaatgcgatc ggagatcgga aactgaggaa ttgctgctct ctactcgcgg 180

tgtttagttt acgattggaa tatggggaag atatttagct ggttagtggt gttattgtca 240

ttgatctcat tagtccctgt tccatcggaa tcggctgttt tgagtgtaga tctaggttca 300

gaatgggtta aagttgccgt agttaatctg aaacgaggac agagtccaat ctctgtagcc 360

attaatgaag atgtccaaga ggaaatcccc agctttagta gcatttcaat ctggagaccg 420

gttactangc gangaagctg cggggaataa cggctcgtta tccgaataaa gtttattcac 480

aactgangga atatggtggg a 501

<210> 4097
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F11

<400> 4097

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tggataaact cattaaaacc ttggaaagtg tcgtcaaagt tgtaagaaaa ttgccgagcc 180

acgtatctct aagagatatt gccattgtca aagttcctac ccgagttgca gaagattaca 240

tcaaggaaca tattgatccc atcttcaaat caaaagggaa cataagggtt acaacctatt 300

tcccttctgt gaatttgagg aaatcttcgc anggtgctga aacccgaccc tgtctcttgt 360

ttgggcaatg tttggttcct tggaattgca accctgcagt gaatgaattg ggtgaagtcc 420

gatgaatcag cngttgaaag acaccatanc cacgaaatcn gggtgggccc gttttcatag 480

ccaataaacn tgaggggtg 499

<210> 4098
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F12

<400> 4098

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agttttgttt tccaaatgtc agcaattctt gcagctgcca ttggtggtgc tgtaggagct 120

cttgcattga ttgctttgtt tgtttttctc ctttggtttt gtgtctttcg tcgtaagaat 180

ctgtctagaa cttctgagac tggctcttct gatccatcta ctcaagaacg aagaaatgtt 240

gcaattgagt tgtcaatgac agaagctana agatttgaaa tggatgaact tgctcaagcc 300

ancaacgagt tttaccaata aaagtcctat nggtatttgg caaaattcgg cgaggtttac 360

aaaangtttg cctcaagatg gtgttcttgn ngcnatcacn gaanaagacc tgggtttgcc 420

nactccaaga 430

<210> 4099
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-F2

<400> 4099

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tcctaaccaa caagcttctc catttcgttt ttcgcgtctc gattccaaat tccacttaag 120

acggcggatt ttctcaccgg gaaattggtt ttagatggat aggactgagg aaatcgaaga 180

atcccccgcc ggaccttctt ccggatccgc gaaattgaag ctcggaaaca gagcagatcc 240

tttccttgtt gtttgtagat gcttcagcct cgttacctct ctcatcgcca ttctctgtgt 300

tgtcgttaac gttctcgctg ccgttcgctc cttccgtgac agccacgatc tcttcgatgg 360

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tggg 424

<210> 4100
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F3

<400> 4100

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acagtaacaa tggcgtcagc ttccaagcaa aacccttctt cttccaaacc tcctaggcat 120

ccatctccga tcattgcttc aacccccctcg aaatccggtg tattggagga atcccaattt 180

cgaaacccta ataacccgtc gacgtcatcg aattcaccga tttcgatggc ggtggaggat 240

cagatcctgg gaaattccaa tcacctcact cngcccggag cttctccgac gcagatcgca 300

caacctgaag cagctctcta gatgctacag agaccattan tgggctctaa tgggangatc 360

tcaaggnata ncatagntat tannggctgg naactatggg ggttaggtcc cntcaaag 418

<210> 4101
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F4

<400> 4101

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tggtttggta cttccattta caggttttgc agctggggct ttacatatct ttctatctgt 180

ctgtctcaca taggggtttt gctctgtgac gtgtcgcata gactgttttt ttcttttcna 240

atcgagtgtc aangacaant ctttttagtt ctttgttaat gtttcgcctc cgtccagaat 300

tgtttactat accagttttc gaaatcctga ccggccagtc taccctggca ataggcaata 360

catggtcctg gtttatttgt tttacggtaa ttttgccttg attgaaaaaa agaanaaa 418

<210> 4102
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F6

<400> 4102

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caacagagga tcacatgcct ggttggattc caaggaatct caacaaaggt cacttagaca 120

gattctattt cctcctggct gcgttgacga gcattgacct ggtggtatac attgcatgtg 180

caaaatggta caaacctata caactagaag gaaaagatga gatgcaagac atgagtgatg 240

atgactatga caccgagagt gaagaggaac gaagagaagg attctaaagt ctaacaaatg 300

tgtgtttggt tttcagtttt ccggtgatgt aacagcaaac tgattcataa ataaaangct 360

aaatcggatc agtctttttc gtcgaaaaag acttcttc 398

<210> 4103
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-F9

<400> 4103

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caatcccacc gtggtcttgt ctcgctagct gggactttac tgtctccgac ccatgtgctt 120

caccacgtcg aacacatttc acttgcggca tcacttgctc gtctgactcc acacgtgtga 180

cccaactcac tctcgaccca gccgggtaca cgggtcgtct cacgcctctc atctccggcc 240

tcacagagct tctcacgctc gatctcgccg agaacaactt ctacggccta atcccatcct 300

ccatctcctc cctcaccaag cctcaagacc ttgatcctcc gatncaactc ngttttccgg 360

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ac 422

<210> 4104
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4104

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ccgcgtcgtc gccgacagtc tccttgaatc caagtggacg attacagcaa actctcgcag 180

gatctgtgga agtgaaagga aaatctctgc actccggtaa gttctcgacg gtgaagctaa 240

atccggagat cgccggagct ggtaggttct tcgagtttcg atccagattc atccctgcgt 300

cgattgaatt tgctcaggaa tcgcctcttt gcacgacgct gttgaaaaga tgagctcaaa 360

atccgaaccg gttgagcatt tgttatcagc tcttgaggcg aanggagttg ataattgcag 420

gattcaaatc gagagcgaaa gttccgatga tcgangaagt cgagggcccc aatttttgat 480

g 481

<210> 4105
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-G10

<400> 4105

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gattctgcat gtttctcgat ctttaaactc agatgaagaa tcttgggggg ttgttcaaaa 180

ttcttctgct tttcttctgt ctctttctat cgacccacat aatttccgtt tcttgtttaa 240

actcagatgg gctaactcta ctctctcttc tgaagcattt ggatagagta ccaccacaag 300

ttacttcgac atggaaaata aacgcatcct gaagcaaact ccatgtaact ggttcggtat 360

cacttgtgac gattctaang aatgttgcgt ctctcaactt cactccgttc taagggtttc 420

aaggtcaatt tgggtccggg aaaatt 446

<210> 4106
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-G2

<400> 4106

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atcaaaagtc taaatggaga ttaacggggc acacaagagc aacggacgag gagtggacgc 180

tatgttatgc ggcggagaca tcaanacaaa gaacatggtg atcaacgcgg aggatcctct 240

caactgggga gctgcagcgg agcaaangan aggtacccat ttggatgaac tgaaganaat 300

ggttgcngag tttaggaanc cagttntgaa tcntggtggt gagactctga ccantggaca 360

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gnagccggtg tgaatgctag tantgattgg gttatgggag agtatgaan 469

<210> 4107
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-G3

<400> 4107

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ccattttctc ctaccaaaat ctgggtttcg atcaatttta ggtcttttga ttcctacttg 180

tctaatcgtc ttgcaatttc aaagatgaca gttgttggag atgttgctcc aattccaagg 240

aggaacagtt ctacttgctc taatgatatc gctgctccgt tattaccang agtgtcatgg 300

agatgaagtt gctcatgatg aattcaatgg agcttctttt agtggcgcgg tttttaacct 360

cgccacgact ataattggtg ctgggtatca tggctttgcc tgctacaatg aangattccn 420

tgggacttgg acttgggaa 439

<210> 4108
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-G5

<400> 4108

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tgggtttttc ttctgctcta atgactctgg tttcttctct cctctctcac ccacttgaaa 180

ggtaaaaaag tgaaaaaggc tttgtagatg gaatcaatgt aggatttgca gtagagggaa 240

aaaaaatgtc aaaaagctca attgatcaag tattattgta atcattgtac ctttatttta 300

ggtggacttt gatgaaagca acttttttgtt ttcaagactt tagtgggaag gttgaggaag 360

gagcttgaan ggtgttattt aattaagtag tagtagtaat gggaanttgt gggaac 416

<210> 4109
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-G6

<400> 4109

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taatcagcaa tgctgtaatc agttgagtag agtagtccag tcttctcctg actgtttgtg 180

tcaagtcctt aacggtggag gctctcagct tgggatcaat gttaaccaaa cacaagctct 240

tggtctgcct agggcttgta atgttcagac tcctcctgtc agtcgctgta ataccggtgg 300

tggtggtggt ggttctactt ctgactctcc tgcagaatca ccaaactctt caggaccagg 360

taatggatcg aaaaccgtac cagtaggaga aggagacgga cccccatcgt ctgatgga 418

<210> 4110
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-E7

<400> 4110

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ccatcctcgt ctctgtgaca acagcggttg atgatcctgt ttgcccggcg acttccaagc 120

taagccgagc aagtttccct aatgggtttt tgtttggcac ggctactgct gcgtttcagg 180

tcgaaggtgc aattaatgaa acttgtcgtg gaccggctct atgggatatc tactgtagaa 240

gaaatccaga gagatgtagt ggcgaccacg ccgatgtggc cgttgatttc ttccatcgtt 300

ataaggaaga tattcagcta atgaanaatc taaacacaga tgcattcang actctcaatc 360

gcatgggtca aagaatattt cctcaatggg agaanngaga aggganttaa gtcaagctgt 420

gttg 424

<210> 4111
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-B6

<400> 4111

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ctccggaact ctctcctccg acgtagctca tttacctctg ctacagaatc tatcactcgc 180

tgctaatcag atctcaggtc ctattccgcc gcaaatctcc aatctctatg agcttcgtca 240

cctcaatctc tccaataatg tcttcaacgg ttcatttccc gatgaactct cctctggatt 300

ggtgaatctc cgtgttcttg acttatacaa caacaattta accgggagat ttaccggttt 360

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<210> 4112
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C12

<400> 4112

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ttctagggag atacttgagt accaccctca gctgcttaaa gatcatatga acggggctga 120

taaagccagt tttctctacc caagtgctgt tgatcaattt agaagacaat ttgcgcatct 180

tgaagaaaac agtggtaaaa ccggccctgt ggcacctcta gaaaggaaac atgcctctct 240

tcccagatca acggtcatac actcaaccgc agtagcacga ggaggacaac caaaacttat 300

gaataacaca aacacattga accctgaaac tactcaaaac attccttta atcatgcaac 360

aatacaagca caacaaagaa acctctcaag caagccaaac caagcacatt catgggcccg 420

gttgcacctt tcgacaatgg c 441

<210> 4113
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C3

<400> 4113

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aagaaattag tagctgnaaa tccaanaatc ggacttactt catcagcttt ttggccccac 120

tttacaaagt atgagcaagt ttttcttgtt ttctacagca aagcaatgct cacaccattt 180

tcgtggagct taaagtcttc aaacccaaac taaaagcttt gaaatttctc tgcaagaaac 240

agagagagag atctagggat tggctattaa gagagagaga gtagaagtac tacactattg 300

gttcctgtgc tgttgtgttt tgtgcatctg ttcttgtgtt tctcagataa aatattagnt 360

tcagtcnttc aaagacattg antctcacac acttactaac acacactcac acacgcgtta 420

atttct 426

<210> 4114
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C6

<400> 4114

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gatcggctcc ggtggtccca gcggattcgg gtcaagatcc accgccgatc atgtcacttg 120

taattctgat ctccgttctc taactgccat catcactggc gcgacgtcgg ggataggagc 180

tgagacggcg cgtgttcttg ctaagcgtgg cgcaagactt gtgcttccgg ctanaagcgt 240

caaaaccgcc gaggaaacat aggctcgtat actgtcggag tttcctgatg cggagatcat 300

cgttatgcat cttgatctca nctcacttac ctctgttcgt cgattcgtgg acgatttcga 360

atctctcant ctcccactca anatcctcat aagncaatgc tgggaaatat gcgcataan 419

<210> 4115
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C7

<400> 4115

tgttgacncc tgccaggtac cggtccaana attcccgggt cgacccacgc gtccggtttt 60

gcancaatga tgtccctata tttggtgatg gcagtctcag cggtggtgat gagttatggt 120

catcttctaa agatgtatcc aatagcccaa aatcattatc atcaatgttg gactctcaag 180

atctaggatt ggatattana actgagtttg agcaacaaga gaaccagcaa tttccattga 240

ctggaaaagc caatggtctg tcatcccaaa gtgtcccaag tgtacgtgta actcttaagg 300

ctgaccaata tcgtgagcat aagggtcaac cctcagttga ggaccaagcc atatcaacaa 360

aataaaatga tgaagttttc gaaaatgcct gggacttctg aggcaangcc ctttcaagag 420

ctgtacggtc acaggattcc atttagtaat tcagctggaa aatgtgtaaa tcagttggca 480

c 481

<210> 4116
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C8

<400> 4116

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gagagacaaa ctctgagaga caaaacaaga gaaaatcgct cgtcgtcggt attcaagcgt 120

ctgtgactcc gataaagcct nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnctttt 180

ggagttgtcg tatctctaaa tcggaggcaa tttgagtgag ataaagacaa aggaaggaat 240

caagtggact accgaagcga gttttgagct ttttcagaga cggatttgga gatttcttgt 300

tgatatcgtc tgcttagagg cttatttggt accagatgaa acagatctga gcttcggaag 360

gtatggcgag ttcggaggtt tcaatgaaag gtaatcgtgg aggagataac ttctcctcct 420

ctggttttaa gtg 433

<210> 4117
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-C9

<400> 4117

tgtttacgca gcccttagcg ggccaaaatt cgcggnncna cccacgcgtc cggagagatt 60

aagcagggga agtatgggga tataggcaaa gttatggaag ggccaaacca gtggccagag 120

aatcctcagg agtttaaaga gttgatggag gagtatatta agctatgtac agatctttct 180

agaaagattt tgagaggaat ctccttagct cttgctggat caccttatga gttcgaggga 240

aagatggctg gtgatccttt ttgggtgatg cgtcttattg gttatccagg tgctgagttc 300

acaaatggcc aacctgaaaa tgatattgga tgtggagctc acactgacta tggcttgtta 360

actcttgtga atcaagatga tgacaaaact gctcttcaag tgagaaactt ggggccggtg 420

agtgggatat cagccattcc aatccctngg atcgtttgtt tgcaacatcc gtgacatgtt 480

taaga 485

<210> 4118
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-D10

<400> 4118

agaagaaccc aagatcgact cttacttcga atctctctca actttcttcc tcagcttacg 60

ggaacttcca cacatataca tccacaagaa cccatatcga agattcatcc tacatatatt 120

tacatggatc agtactcatc ctctttggtc gatacttcat tagatctcac tattggcgtt 180

actcgtatgc gagttgaaga agatccaccg acaagtgctt tggtggaaga attaaaccga 240

gttagtgctg agaacaagaa gctctcggag atgctaactt tgatgtgtga caactacaac 300

gtcttgagga aagcaactta tggaatatgt taacaagagc aacataaccg agaggggatt 360

aaaatcagcc tcccaagaaa cgnaaatccc cgggcgagag aggangcatt c 411

<210> 4119
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-D3

<400> 4119

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atcaaatcca aaagagcaaa tttacaatct tgcgaactcc taaaatggct cgtaccaagc 120

aaacagctcg taaatccacc ggaggaaagg caccaaggaa gcaactcgcg accaaagctg 180

cgaggaaatc agctccagcc accggaggag tgaagaagcc acacagattc cgtccaggaa 240

cggtggcgtt gagagaaatc aggaagtatc agaagagtac tgagcttttg atccgtaagc 300

ttccgttcca gagattggtt cgtgagattg ctcaagattt caagacggat ctgaggttcc 360

agagcagtgc cgtcgcagct cttcaggaag cagctgangc ttatcttgtt gggctctttg 420

aangatacta atctctgtgc gattcatgct aagaagggtt acgattatgc cctaagggat 480

atccn 485

<210> 4120
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-D5

<400> 4120

actctcgatc tcgacgcgaa atagctttct ctcttccaaa ggcaattatc gaaaacctgc 60

aaaaagtttc tccgccaagt ctctccaaaa cccnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa cgtaatctcg 180

aagtcggttg tttcaatcct gccatggccg aagggaagtt cgatctgcct gacgatctca 240

tcttttccaa atcttctgat cagctcaaag aattgggctc agataacagc attcccttgt 300

ctccgnagtg gctttacacg aaatcaagcg agtacaagga tggatgttcg atcnccctac 360

tcctgttccc atgggaaatc caagtgancn aaatccgaag gatgcatggg n 411

<210> 4121
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-D9

<400> 4121

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aagccgtaca acgagggctc ttcctgggca acaaaaccac cattttcgtt ttatctcaat 120

cttcgtctct ttcgaaagat ctaaccacaa caactcctta agatggataa gtatcaacga 180

agtggtgaag ccgaaagcgg atacgccgat tgatgcgaat gagattcgta tcactagtca 240

aggcagggca cgaaactaca tcacctatgc gatgactctt cttcaggata aagggtcaac 300

tgaagttgta ttcaaggcaa tgggaagagc tatcaacaag actgtgacca ttgtagaagc 360

tgattaaaga gaaggattcc tgatcttcat cagaacacat ctattgggat tcacagacat 420

cacagacaca tgggaaccaa cacagggaan ggcntctaac tttggagact acaagggcat 480

gttgtcaat 489

<210> 4122
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-E1

<400> 4122

tancctcctc aaggttaccc accacaacaa gggtatcctc cagctggagg ctacccacct 60

gccggatatc ctcctggtgc ttaccctgct gcgcccggtg gttatcctcc tgcacctgga 120

ggttaccctc ctgctggcta tcctgcacct ggagctcacc attcaggaca ttctggtggt 180

ggactcggan gcatgatagc aggtgcagct ggtgcagccg cagcagctta tggagctcac 240

catgttggtc acgcctctca caacccttac gggcatgctg tangacatgg anggtatggc 300

catgcccctg ctcatggctt tggccatggt ggtcatggta aattcaagca cggnaaagca 360

tggaggcaaa ttcaagcacg ggaaagcatt gaanagcncn gggaaaacat gggcatgttt 420

ggngggaggg ag 432

<210> 4123
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-E12

<400> 4123

acgcgtccgt ctttatctcc ttcactttct ctctctcgat accgtttcgc cgcagcttct 60

cttcttctcc cttcatctca aaccattttc atccgatctc aatcctccaa tcgtcggtct 120

aactctaacc atctcggagt aatctacgag attgatatcg ctgcggatcc tcttgtcaat 180

aagttggaag atgctgtcca ccggattatg gtacgccgat ccgcacctga ttggctcnct 240

tttgtccccg gtgcttcntt ttgggttcca cctcctagat cccagtctca tgggatcgct 300

aagctcgttg agaagctggn caatccgatc tctgatgaan aatctanttc antctcatcg 360

gttcgaggat gggcttgctc tgattactca tcaannngngg taaaagcctc aatcaagttg 420

agacgg 426

<210> 4124
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-E5

<400> 4124

tttttactgt tgatttatct gaatatgcca cgctctttct tccanatgtt tantctctct 60

tcctttcttc aacacaagcg tctggactaa ggaaagccaa caacaaaatc tggtttcaag 120

acggttggca ggagtttgtc aaccgtttct ccattcggan tggtttcaga nacaaagtta 180

cagtctacat tttcaattta tcctccacac tctgagatca accagcattc tagtagtgaa 240

gctcttatgc anatggattc cgcacagtat cagttcanca aacgtgctcg attgtttgaa 300

gatcctgaac tcaaagatgc taangtcatt tatccatcga acccnnaatc tactgaacca 360

ntgaataaan gttacggctg ttctacaagc catccaaagc tttttcan 408

<210> 4125
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-B4

<400> 4125

acgcgtccga ttctgaattc aagatgtatg ttacaaggca tctctccgaa taccagagaa 60

actcgtcgga cttgacacga tcgttgccgg aaggtccaaa ctccggcgta cttgtgattc 120

aagacgaaga gtcaaaaccg acttgttgct ttggaaattg ctacgatggt gaactcaaag 180

gcttaccgtt cccacaagaa cgcaaagctg actgtgactt acagaaccgg aactggtaat 240

gacangcgca gttaccatga ccaggttctg ttcantccgg ttcttgatca gccttattan 300

tcgangccgt tattatgtcn gtanacgacg tgggaagcaa tcaaggagga gcttcnggcg 360

agtgcaanag gaagaagana gagnccccctg cngnntttgc nncagnnatg ttcctgaagt 420

taagccac 428

<210> 4126
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-H1

<400> 4126

gtagcccgtc canaaattca agggtcnacc cacgcgtccg nataatcaaa attatgctgt 60

tgacccgttg gtcttgaaaa tttcactgat tgttggaaga acccctgaag acttgattat 120

ccattgcatt aaccgggcaa gcataaccag agccaagata ttattctacc ttgtggagtc 180

cagtcccttg catctgttag tctttggaca ctttttcttt agtatgctaa gtaagaaaca 240

ggatgactct gctcttacag atgatcaagt ttatcatgct tctgcctgct gtgctatcgt 300

atctgacatc agttattgca aaactcgaga agccttgtaa taaatgtttg gatataactt 360

cagtttattc aaatatacca ataaatggtt ttccttcagt ggccgangtt tttggcnagg 420

tgcatccttg aagaagaagc atgaagagaa tcctccggtt aacgactgag gat 473

<210> 4127
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-H4

<400> 4127

aacttnccgc agccgtccan aattcaaggg tcgacccacg cgtccgtcat ctctgaaaat 60

tgctttattt ggttgaattc attggattgt tgatcgagat tggtttactg attgatcgaa 120

agtatggagg aagatcgtgg ggaagcgatc gttttagata tttcgccgga gattaataat 180

actccggcgg taatgatgag agttccacgg aggattcgtg agaggctttt gtctgactgt 240

agtaataaga agacagtatc ttctgttcaa gatattgaag acaagcttct tcatgcccat 300

ctacgaagac agcaatttta tcataacgtt tcgagaaagg ctcgtgctaa acctanaagt 360

ccttcacgat catctgatga agaacttggc caacgaatcg aagcaagact tctggctgct 420

gaacaaaaaa aggttggaga ttcntgccaa aggcacagat gccgttttgg cgaagttang 480

atg 483

<210> 4128
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-H6

<400> 4128

acncgtccgg ttgtgataaa gggtttgttg aagttctggc ctatcacgaa tagtcagaag 60

gaagtgatgt ttctcgggga ggtcgaagaa attgtagaag caatgagtgt gatggagttt 120

caaaagatca tggtcccttt gttcttgcgg attgcttgtt gtgtcaccag ttcccacttt 180

caggtttctg aaagagcttt attcttgtgg aacaacgatc aaattgtaaa cttgattgga 240

cataaccggc aagccatcct accaatcatg ttcactgctt tagaaaagaa tgctcagaac 300

cactggaacc aatccgtgct aaacttaacc ttaaacgtac gaaaaatgtc tctgcgaaat 360

ggacnaggct cctgttcatg tcntgccacn cccgctttaa ngaggacgaa ananagcaat 420

gttctgctgc gggaaaagan 440

<210> 4129
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-055-Q1-E1-H8

<400> 4129

actaacttat tcacttttcc ggcactgatt ctgctcggga aaaacaactc cggcacaaaa 60

tgcagctttt tccagtcatg ttagccacac tctgcattgt cctgcagctt ctcattggct 120

cgtcagcttt ggctacgaca aatcgccacg tgtcaaactc tcattggctt cccgcagtag 180

ctacatggta cggaagcccc aacggtgacg gcagcgacgg aggagcgtgt ggttacggta 240

cgttggtgga tgtgaagccg ttacatgcga gggttggagc ggtgaatcca attctcttca 300

aaaatggtga aggttgcgga gcttgttaca aggttcgatg cttggacaag agcatttgtt 360

cccggagagc cgttaccgtc aataattacc gatgaattgt cccggctgct ccaaaaacca 420

a 421

<210> 4130
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-A1

<400> 4130

acgcgtccgt tacttacttc tcaggtaata aatcgtaaga tttatcaaac gcaagcaaaa 60

gagatggccc aaaagctagt tgcacagggt ggtgagacgg gagatgtatg ggatgatggt 120

gtttacgaca atgttacaaa ggtatatgta nggcaaggcc agtatggtat agccttcgtc 180

aagtttgagt atgccaatgg ttctgaagtg gttgttggan atgaacatgg agagaagact 240

gagctaggag ttgaagagtt tgagattgat tcggatgact acatcgtcta cgtggaaggt 300

tacccgtgag aaagttagcg atatgacctc aggaaatgat cacgtttctt tcattcaaag 360

acntctaaag gcaaaacctc tcagcctaac cgttaaaaaa acctgggggt ttaagtttgt 420

gcnacatggg tggaaaaaan ccgttggggt tt 452

<210> 4131
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-A2

<400> 4131

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cggagggcag aagcaacgta tacagctcgc acgtgctgtc tatcaggaat gcgatgtata 120

cttgctcgac gatgttttta gcgcagtgga tgctcatacc ggttcagata tattcaagaa 180

atgtgtaaga ggagctctga aaggcaagac cgtattactc gttacccatc aagtggattt 240

cttgcacaac gtggattgca tcttggtgat gcgggatgga aagattgttg aatcaggaaa 300

atatgacgaa ttagtcagct ccggattggg attttgggga acttgtggct gcacatgaag 360

acgtcaatgg agctggttga acccggtgca gactctgcaa gcaagtcgcc acatccccca 420

a 421

<210> 4132
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-A3

<400> 4132

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agtaaaaaaa aacctagatc gctcttcaca tctcttcgaa cgattctctc tttcaagatg 120

caaattttcg tgaaaacact cactggtaag accatcactc tcgaggttga gagctctgac 180

accatcgaca atgttaaggc aaagatccag gacaaggaag gcattcctcc tgaccagcaa 240

agattgatct tcgctggtaa gcagctagaa gatggccgca ccttggctga ttacaacatc 300

cagaaagaat caacactcca cttggttctc aggttaagag gtggtatgca gatctttgtc 360

aagactctga ctggcaaaac cattaccttg gaggttgaaa gctctgacac tattgacaac 420

gtcaaggcaa aagattcagg acaaggaagg aatccctccg gaccag 466

<210> 4133
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-A5

<400> 4133

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gcgttagaga agcctgatgg tggtgaattc ggtaactact acagcttacc tgctttgaac 180

gatcccagga tcgataaact accttattcc attaggatac ttcttgaatc ggccatacgt 240

aactgtgatg agttccaagt taagagcaaa gatgttgaga agattcttga ttgggagaat 300

acttctccca agcaggttga gattccgttc aagcctgctc ggggttcttc ttcaggactt 360

tactgggtgt tcctgctgtt gttgatcttg cttgcatgag agatgccatg aataatctcg 420

gtggtgattc cnaata 436

<210> 4134
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-A6

<400> 4134

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ggtaacgcat gctgggaact cttctgcctc gagcacggta tccaacctga cggtcaaatg 120

ccatcagaca agaccatcgg tggtggtgat gatgccttca acaccttctt ctccgagact 180

ggtgcaggta aacacgtccc aagatgtgtc ttcctcgatc tcgagccaac cgttattgac 240

gaagtcagaa ccggtaccta cagacaactc ttccatccag agcaactcat ctcaggtaaa 300

gaagatgctg ccaacaactt cgccagagga cattacacca ttggtaaaga aatcgttgat 360

ctctgcctcg atagaatcag aaagctcgct gatcaatgca ctgggtctcc aaggtttcct 420

cgtcttcaac tca 433

<210> 4135
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-056-Q1-E1-A7

<400> 4135

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caaaaaccct acttttactc gagattttgt ctccgccgcc gagtaccaag tgcctcccga 120

tctacgcccc aatccctaaa tggctacgga ggctacaacc gtacccaaat tccaggaacc 180

tgatctccgg caggtttctc agacaccgga tttcaaaccg gaaatcgctc acgatggtct 240

taagttctgg caatttatga ttgctggttc gattgctggc tccgtcgaac acatggcgat 300

gtttcccgtc gataccatca agacccatat gcaagcgctt cgaccatgtc ccttaaaacc 360

cgtcggaatc cgggaagctt tccgttcgat tatccaaaag gaaggacctt caactctgta 420

tcg 423

<210> 4136
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-A8

<400> 4136

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ctgtaatcca agtgagagag agagagaaat ganaatgcag acgaagaagc tctttatcac 120

cattgtctcc tttcttctct atgctccatt gttcttatct tcaccagttc ctgancctga 180

atctgtcgtt gaagaagttc acaagagnat taatgcgtcg gttgcaggaa gaaggaagtt 240

angttacctc tcatgtacga ccggtaaccn aatcgacgac tgttggcgtt gtgaccctca 300

ctgggagcan naccgtcaac gtctcgctga ntgcgccatt ggattcggcn aaaacgccat 360

cggtggccgt gacggtcggg atntacgtgg tcaccgactc aaggaagncg 410

<210> 4137
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-A9

<400> 4137

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tccatcgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnagagaaag agatcttcac aaatatgact gtgatgaatc accgacacaa gcaatgtcat 180

tttctcctcc tccttctgat cactgtcttc tctgccgcgt tggatggtgt ttcttccgag 240

acagacgtcg gagggtttga ctacggtgaa gcattgtcta aaagcttact ctactttgaa 300

gctcagagat caggaagact tccgtacaac cagcgcgtga cttggcgtga tcactctggt 360

ctcaccgatg gtcttgaaca aggggttgat ttaatgggag gatatcacga cgccggagac 420

catgttaaat tttgganttc cgatgggctt ttaagggnga caatgttt 468

<210> 4138
<211> 489

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-B10

<400> 4138

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tccggcgcat tgaattacac atcgccgcaa attcgaagtg tctcgagacg taattacact 120

tgcgatccga gtaaatcgta ctcggtcgct gatttgaact acccgtcgtt cgccgttaac 180

gttgatggag tcngtgcgta taagtacacg cgcacggtga cgaacgtggg aagagctggg 240

acttactcng ttaaagtaac ttccggagac gacagggagt caagatttcg gttgaaccgg 300

cggttttgaa tttcaaggaa gctaacgaga aaaaatcgta tacggtgacn tttactgtag 360

actcgtcgaa nccgtccgga tntaacanct ttggggagta ttgaatggtc ngatgggaaa 420

cacntngtgg gaantcccgt ggcgaataac tgggacataa tccgtaaatt atgagaaatg 480

naaaggggg 489

<210> 4139
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-B12

<400> 4139

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cgcgtccgcc cgaagttgct cttcttgttc actctctgat ctagtcttaa ctcctccaac 120

tacaattcca tggcggtgtc tcttcttctc tggactctct tcctcttctc atttatcttc 180

tccctccaat cacacagcaa agaagaagaa gaagacacac caatcacacg attccagcaa 240

tacttaagat tcaacaccgc tcatccaaac cctaactaca ccgcaccaat ctcttttctt 300

cttgatcaag caagatcaat tggtcttact tctcgaacca tcgagtttgt tcctggtaag 360

ccagttcttc tcctcacatg gctaggctca aaccttaacc tttcttcaat tctcttcaac 420

tctcatctcg attctgttcc cgcggnatcc gagaangtgg atacatccaa cantctcaag 480

ctcaac 486

<210> 4140
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-G8

<400> 4140

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gggattgtat ggttcgttgt tactgataga ttacttaagc tatggtttgg tttagaatcg 120

gttcttctgt ggcaaagctt gccataagaa ggacactgtc tcagtctcgt tgtggttcat 180

atgccactag aacaagggtt ttgccttgtc aaaccagatg ttttcactct acaatactca 240

aatcaaaggc agagtctgct gcacctgttc cacgtcctgg tcccactttc taagctaact 300

gatagcttct tagatggnac angcantgtg tatctagagg agttacaaag agcttgggag 360

gctgatccca ncagtgttga tgagtcgtgg gatanctttt tagggaaatt ttgtgggtca 420

ggctt 425

<210> 4141
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G6

<400> 4141

aatttagagg atcttgttgt gcctaactat caagagacat cagattcgta cccttctcct 60

gatatgtggg gtactggatg gagcatgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncatggatg acatgttctt aagttccatt 300

ttggaggatg ttccagggaa tgagaatttt ctttctttca aggagtcgga taataacaac 360

agctccaatt cctcctaacc cgaaacaact tgaagggaa 399

<210> 4142
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G7

<400> 4142

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tctgattcct cattcttctt ctatagcttt tggtctccat tctcatctct taatctccag 120

tgagatcagc tccaattcta actggtctct ctaaataaaa aacagaaata aaaatccaac 180

ctttttcaat tttcgttcaa ttttcccgga aaaaaaagcg atccttttga tttttcgatt 240

tctccaagta acaattcaaa atgggtctaa agggttttgc tgaaggagga atagcttcga 300

ttgttgcggg ttgttcgacc cacccgcttg atctaatcaa ggtccgaatg caacttcaag 360

gngaatcanc tccgaatcaa aacaaatctc cggacnagct ctggctttta aaacttcg 418

<210> 4143
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H1

<400> 4143

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catcgcagag gagacgatct tacgcgacga atccttgaga gattgagagg gacaagcgag 120

ttttgtaggt gtctcagacc ggacccaagg attgttgacg gtctatattg aacaagtaaa 180

caaggatgcg taagtggatc tgttgtacat gtcaaataga agactcaaat gaagagcaac 240

aactgaaaag ttcacagcag caatctgatg caaatcataa gaattcaaaa ccagcacctg 300

ttgcaaaaca tgaggttaag aaggaagctc ttcccatcga ggtccctccc ttgtctttgg 360

atgaggtcaa ggaaaagact gaaaattttg gattcaaggc actgattggt gaaaggtcct 420

atgggagaat atattatgcg acactaaatg aaggngttgg gggttgcccc aaaaaaaatt 480

tgatttc 487

<210> 4144
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H10

<400> 4144

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acgacggtga acatgaccta ggcctaatgg ttacagattt tctggaaacn ggaggtggta 120

gcggtggtgc tggttcctgg tgcagcagcg acagngattc tggattccca natccttctt 180

acctttccna taagattcag tatctcaagt actctatggc tcaacacgaa acngangttc 240

tcncggtggt tcgtacattg atgcttacta ttaaggagaa agatctacac tcctgtgaaa 300

tccggtacat gtaacgctan ttgcatcagg ttttatctcg ctaagctttt ganacnttcn 360

ggatatgatg catctgtatg ttcaaccaga tggcanggtg gtgggaaaag ttccctgggt 420

ggg 423

<210> 4145
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H11

<400> 4145

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aagatgccct ggacagcatt cttcatgttt ttcaacagaa cttgcactcg tctggttgtc 120

tttttcctcg ttattctgta attttgttcc tttcaggtgt tgtttccgga attcggaata 180

gttctttgtt gttgtgctta ttatactggt tagtttgtga gaatgtgcat tgttggaaac 240

aagaagggaa accgatcatt gaaggaaata ggaactttta tgatgactac atgtttcatt 300

gctaattacc aatccgttca agtttgccag gctgaatatt tcagacagtt gcttaagcct 360

gtaacgtagt ctagcgtctg gagttttcng gaaattgggg ttttgaaccg gctaactact 420

tttgatttcg aaaaaaattt actgtgag 448

<210> 4146
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H12

<400> 4146

aaactcccgg ttcgtcccac gcctccnaaa ngagtcnnaa taaanaaaag caaattaaaa 60

attaaatccc taaaaacaaa cgagcgtatt gttatgaagg aggacgaaga agaagaagca 120

gtgatatcga acggcatgaa cgacgacgac gatactaaca atattaacaa cagttccact 180

gaatttgata acaatcgtat cggagacgga gacgataaca gtaatctgaa tcagatcaaa 240

caagtatggg gaacgtggga ggagttggtg ttaacatgcg ccgttaaacg tcatgctttt 300

tccgattggg actccgtcgc taaggaggtt caggctcgtt cccggagttc tctcatcgtt 360

tccgccgtca attgcaggct taagtatcaa gatttcaaac gtaggttcca aagattccgt 420

cgacgtcgga gacgaaaata ccgaagcggc ggcgaacgaa ggaggatga 469

<210> 4147
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H2

<400> 4147

aactgttacg cctggccgtt tacgccggcc aagtatggtn gaacgttcca gggncnagca 60

aacgtctaat agttaaagag agcttttgtt ttttctttcc catgtctatc agtatcacca 120

ccgagaaaat atcatcaaca ccaccaacca nacattaacc cacccgagag tacccaatgc 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncacca ccatctgtac 240

aaagcaaagt tatcatcaaa ggaaaccaaa ccattctgag tttcaaagct attttccggc 300

ttggtttctt cagcaccacc aatggttcct ccaattggta cttgggtatc tcttacgctt 360

ctatgccaac tcccacccac gtttgggtcg ccaatcgaat ccgacccgtt tcggatcctg 420

actcttccac tctcgagctc aactccaccg gataactaan cgtcagttac 470

Date Recue/Date Received 2020-06-26

<210> 4148
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-H4

<400> 4148

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gaccgttcct cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncaatc aatctctagg gttcttcttc 180

agcaatactt cagaagctgg ttttggccat ggaacccaat gggtacagga aagaaagaag 240

aaaggaacaa catttgggga gaatgaatgg tggtggtggt gatgttgaga ctgatcttga 300

tccatggact gcatgggctt acaagcctcg cactatctct cttctcctta ttggcgcttg 360

ttttctcatt tgggctagtg gagctcttga tcctgacagc actacatctg atgatcttgt 420

cacttctgtc aaaaggggaa tgtgggctaa gatngctgtc cttcctgcta ntccttggcc 480

ca 482

<210> 4149
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-A7

<400> 4149

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aaaggtttga tgctgcagaa caagttgagg acgcattgac aggcttgaag gtgctcgagt 120

ttgacggaaa ctttattagg ctccaactgc gaacatatat tcaaaaacta gacggttttc 180

ttggacagca caaatttgac cacattactg agccatctga attgatccat gaattgctaa 240

tataccttaa ggataaaact acagagataa caaaatttga gatgttccaa aatgatatat 300

acataaggag acatcatcca gggcagctga ntctttcagg cacggtaagg gttacacttg 360

cagtgcctaa gacacaa 377

<210> 4150
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-A9

<400> 4150

tctgattgat atagaaatcg aaactcaaat tggagaacat tcgagaagct ttggattttt 60

gaatcacgaa gacatggaaa aaacagaatc tgtatcagga aaggggaaga gagtgattgt 120

tatcggcggc ggaatcgccg gctctctcgc ttcgaaattt cttcaattcg attccgatct 180

caccctcatt gatccgaagg agtattttga gattatttgg gcaagtttaa ggtcaatggt 240

agagccagct tttgctgaaa gatcggtgat aaaccacaan aagtatttac aaaatggtcg 300

tagttgtgac ttctccaccg gttaatatca cagacaccgg atgttttgac cgccggatgg 360

gtcttggtct ttggggtatg nt 382

<210> 4151
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-B12

<400> 4151

gggcgcgaaa cagagtaagg ctcactttgt tttagctttc tcctctactt cgataatgcc 60

gtttgctcct tccttgttgt catcgtcttc ctcagtctct caatttcttc ccagattccc 120

caacgcgact agattcaatg taactccacg gagcagagcc gccaccgtcg tcgcggcatc 180

cgtcaccgac ctagccgggg tcgacagtac aacaatcgcc gtactcngtg gaggatccgt 240

agcagcactc gcggcgatgg tttccttaac ggatccngag aggaggcgga aattgcaggc 300

ggaggaagtt ggcggaggcc ataangaggt tgtgagggaa gtatttcaat aacacggggt 360

tcgagaggtg gnggaagatc tacggtgaga ctgangaag 399

<210> 4152
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-B4

<400> 4152

cagatgatcc aaatatgcat agtatactta accgtataat aatgcctgag tccattgaaa 60

agcatggagt caactggaaa ggcgttgact ttcttgtttt caacacttac atttggtgga 120

tgaacacatt cgctatgaaa gtcctacgag gatcgttcga taaaggagac accgagtatg 180

aggagatcga acggccagta gcgtatagga gagtgatgac gacttgggga gattgggtgg 240

aacgaaatat tgatcctcta cgtaccactg tcttctttgc naagcatgtc tcctcttcac 300

atcaagagct tggattggga agaatccaga tgggatcaag tgtgcantta gnagacgaca 360

ccaatccgta agacatgtca atgccattca gcggtangaa 400

<210> 4153
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-B7

<400> 4153

catcaaattc actcacgaaa atgtcaaggc catgatattg gatattgttg tgccgggaac 60

tgacacggcg gctgcagtgg tggtatgggc catgacttac cttattaagt accctgaagc 120

aatgaagaaa gctcaagacg aagtgaggag tgtgataggt gacaaaggat atgtctctga 180

agaagacata cctaatctcc cttacctaaa ggcagtcatc anaggagtct ctttcgggct 240

cgaaccagtc atccccattc ttctacacag nggaanctat cgcaagacgc agagataggt 300

ggctatgata tttccgggcc aaggacnatc attcaagtnn aacncatggg gcgggttctc 360

cgtgacanan gccgcnttgg gggagacaac cctnaa 396

<210> 4154
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-C11

<400> 4154

ccaatctcca tcgctccgat ccagattccg atggacgcca ccgagcagtc tctccgtcaa 60

tctctttccg agaaatcctc atccgtcgaa gctcagggta acgccgtccg agctctcaag 120

gcttcccgtg cagctaaacc atgaaatcga tgctgccant gagcaactca acaaattgaa 180

gctcgagaaa tctaccgtcg agaaggagct tcagtctatt ancagtagct ccggtaatgg 240

ttcgcttanc cgtgaggcnt ttcgaaaagc tgttgtcant acncncgagc ggggtttgtt 300

ctanancnct tcgtntaaga tcnacagtgg ngtcggctgg acttt 345

<210> 4155
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-C12

<400> 4155

tcaaagatcg atttggggat caatcgagga agaagatgac ggaggcgatg ataaggaaga 60

agccaggaat ggcgagtgtg aaggatatgc cgttgcttca ggatggtcca ccacctggtg 120

gattcgcgcc ggtccgatat gctcgccgga tctccaacac gggacctagc gccatggcta 180

ttttccttac cgtttccggt gcttttgctt ggggcatgta ccaagttggt cagggcaaca 240

aaatccgcag ggcgttgaag gaagagaagt acgctgcacg tagagcaatt ctaccgattc 300

ttcaagctga agaagatgaa aggtttgtgt ctgagtggaa caagtatcna gaatacc 357

<210> 4156
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G5

<400> 4156

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ttgacggcgt tgaaaatcaa atgaacggtc cagattcatc tcctcgtctc tctcaagatc 120

ctcgtgagcc tcgctcatta ttatcatctt cttgtttccc aatcaccctc aagttcgttg 180

atgtgtgtta ccgagtcaag atccatggca tgagtaacga ttcttgtaat atcaagaaac 240

tattaggatt aaaacaaaaa ccgtccgatg agacaagatc gacggaggag aggacgatac 300

taagcggagt caccggaatg atatcacccg gcgagtttat ggccgttctt ggaccatcgg 360

gaagtggcaa atcnacgcta ctaaacgcaa tcccaaggga aaacncc 407

<210> 4157
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E2

<400> 4157

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ccgcgaaaag ctaatccaaa actctttaat tatttgcaac aactgatcaa tggctgtaac 120

aagctcttct tctacttgtg atggtttctt catcatcagc cttattgtta tcgtttcttc 180

attgtttggg acatcatctg cgcagttaaa cgcaacgttt tactcaggca catgccctaa 240

cgcctctgcc atcgttcgca gcactattca gcaagctctt caatccgatg caagaatcgg 300

aggcagccta atccgccttc attttcacga ctgttttgtt aatggttgcg atgggtcgct 360

cttgcttgac gacacttcaa gcatccagag cgagaagaac gctcctgcca atgcaaactc 420

aactagagga ttcaatgttg tcgagagtat caaagncaag ccccca 466

<210> 4158
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E3

<400> 4158

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ctacgattgt tctgcccata tgatttgggt cggtgagcga accagacagc tagatggtgc 120

ccatgtcgag ttcttaagag gtgttgctaa tcctcttgga atcaaggtga gtgataaaat 180

ggatccaaag gagctagtga agttgattga gatcttgaat gctgacaata agcctggaag 240

gattacaata atcacaagaa tgggagctga gaatatgaga gtgaagcttc ctcatttgat 300

cagagaagtg cgacgtgctg gacagattgt gacttgggtc agtgatccaa tgcacggaaa 360

caccattaag gctccttgtg gtctcaagac tcgtcccttt gacgccatct tggctgaagt 420

gagagctttc ttcgacgtgc acgagcaaga aggtaaccan cccggagga 469

<210> 4159
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E4

<400> 4159

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caaaaacagg aaatattanc ttcagaggca tcttttgagt atgcaagaag ctgtttgcat 120

cnacaaagtg aatgttacag gatactttgt atggtcattg ttggataact tcgagtggna 180

agatggttac aaaaacagat ttggactcta ctacgttgat ttcaaaaata acctcacacg 240

ttacganaaa gaatccggca agtattacaa ggatttcctc agtcaaggtg ttcgtccatc 300

cgcgctcann aaggatgaag ctttaagcta nttctgtttc aatgtgtttt tcctaagttt 360

tactttgtga agtgaccaag attcatgang gccctgggtc taananaaag gagtttaatt 420

ttcctc 426

<210> 4160
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E5

<400> 4160

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gcgtgggaaa aaagcaaaag actcagctaa aaagcgacct actagagagg aacgggagag 120

aaacaaaagc aatgggaaga agagttctta tgctgatcaa cctgtatcat ttgtgtcaag 180

tggcataatc gattctgaga tagctgttgc aaaaacctca gttgaaaaag ttgcaaaaga 240

ggtagctgaa actactccgg gaacctctaa tggagcagac attggagcat ttgaggtaca 300

taccaagagg ttttggatcc aaaatgatgg ctaaaatggg attcatagat ggaggtggtc 360

taggaaagga tggtaagggg atagcacagc caatagaagc tgttcagcgt ccgaaatcac 420

ttgggttang tctggatttc tccattgaca ctgaagaccc gaatccgtca agttataa 478

<210> 4161
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E6

<400> 4161

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agattacttc cgaagatcag aaacaaacac aaactgtgaa tcgttgtttg ttaattctct 120

ttaaaatcgc cagaagaaag agatctccgt tttctacaga agaaaagcaa gagagtaaga 180

atgggatcgg aacaaaacga tagcacaagc ttcacgcaat cgcaagcttc agagccaaag 240

ctatgtgtta aaggatgtgg tttctttgga tcaccatcaa acatggatct ctgttctaaa 300

tgttacagag gcatttgtgc tgaggaagct caaacagcag ttgctaaagc tgctgttgaa 360

aaatctttca agccttctcc tcctcgtagt ctcttcatag caagaacctc ctgntgttg 419

<210> 4162
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E7

<400> 4162

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aggtaaaacc tttttcccca gattatttct atttcgttcc tctcttctcg atttcgactg 120

attttccgtt tttatgctct tctcttttcc attttgaact ccaattttga ttctttaaag 180

aaaatgagtt gctttgggtg ttgtggggag gatgatgata tgcataaaac tgctgattat 240

ggaggtcgtc ataaccaagc caaacacttt cctccaggaa atgatgcaag gcaccaccaa 300

gcctctgaaa ctgcacagaa gggtcctcca gttgtgaagt tgcagcctat tgaagtacct 360

attatccctt ttaagtgaac tcaaagaagc aactggatga atttggntc 409

<210> 4163
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E9

<400> 4163

gacctgttac gcctggccag taccggtccg aaaattcccg ggtcgaccca cgcgtccgca 60

gctccgtacg atcacaagga ttcactgatt tctaagcttt tcatagaaag aagaagaaaa 120

aggcggaatt cgatggtgga tgcgattcaa gtagctgagc tgagaagatt cgtcgagcag 180

ttgaaattga atccttcgat tctccacgat cctagtctgg ttttcttcaa agaatatctc 240

cgaagtttag gagctcaagt tccgaagatt gagaaaactg aaagagatta tgaagataag 300

gctgagacaa aacccagttt ctctcctaaa cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaccaa gacaatgagc ctcctcaagc 420

cgatgggaga ccctactgct gaagtgaccg atgaaaatag ggatgatgct cagtcagaga 480

agagcaaagc tatggaggc 499

<210> 4164
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-F1

<400> 4164

ctgttacgcc tgcngttacc ggnccgagaa ttcccgganc gacccacgcg tccgtaaaaa 60

tcacccgact ttaatgatta aataccctga ggctgtagac ttctatgact attacaaggg 120

gcagatggag ccctgggatg gacctgcttt ggtattgttc agtgatggaa agactgttgg 180

agcttgcctt gaccgcaatg gacttcgacc agctagatat tggcggacaa gtgataatgt 240

tgtctatgta gcctctgagg tcggagttct tccaatggat gaatcgaaag tcaccatgaa 300

gggtcgtcta ggacctgggt atgatgatat ctgttgactt agagaatgga caggtatatg 360

agaacacaga agtgaagaag cgggttgcat catataaccc atatggaaag tgggttagtg 420

aaaacctgcg aaacctgaag ccttccaatt anctctcgtc agcgattctg gana 474

<210> 4165
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-F11

<400> 4165

acgcgtccgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngg 56

<210> 4166
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-F2

<400> 4166

ccgggnccag aattcccgga ncgacccacg cgtccgcgta aagccattat cactaccaat 60

ccaaaagagc ttttattaat acaccttact cgtgaccgga ttcgcagagt tcacgagctt 120

ccgagtcaaa aacactctaa aacaaaacca tgactttgtt ccatagactc gatctcatcg 180

atccgtacac gtgtacacca ctcatcgtcc gtgaaacctc cattgttgaa ccttcatcat 240

tgttcctagg gtttccttcc ttcatcgacg aagacattga agatctcttc gagttttcat 300

cacctaatcc tctcgatcta ttcgaaaccg tgacggatct ggttaagatt aagaaatctc 360

cgtcgtcttg caagtacaag gtgattcgtc ggagattaga gccggagtat ccattgaagg 420

tatccttggt gaacgtgttt ctgaattggg gatccaangt ttgg 464

<210> 4167
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-F4

<400> 4167

ctgttacgcc tgccggtacc gggtccnana attcccgggt cgacccacgc gtccgctgta 60

cgacagttct tgggaagtat gttattccaa ggatgattta cgacgacgtc gttcacgtcc 120

tgcatttgtt tcattattac gtacattatg ttttaaatta cgtgatgata ctggattatc 180

gggaatcttt tttgatgaac atccagagaa taaaaatcgt cctcctgatt ttcttctttt 240

cacagcactt acaacactta tcaatagtga cacggatgaa ggacgacatg cattagaagg 300

tttactttgt atcatacaat taccacatcc taaaattgcc aattttattg tagatcaaac 360

aacattttgt atgcgattgg taaaaggatt agaagaacga tataaacgtg taccattgac 420

atttgatacc aatgtgactg aattaccaat atcacatcca cataatggcc ccaaggctgg 480

<210> 4168
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G1

<400> 4168

ntgttacgcc tgccggtacc ggnccnnaat tcccgggncg acccacgcgt ccgatctgtg 60

tgagtatgtt ggaaagctat caatgaatgc ttgcagatct ctggaaatct tttggatgaa 120

gggaaaatta gatccatagt tgatgagata aagcaagtta tgaccgcaag ctctagtagg 180

aagcgagaga ggggagagag ggcccatgct gaagactttg acgctgaaga gggagagctt 240

attaaagagg aaaatgagca agaggaagaa atttttgatc aagtcggtga aatattggga 300

acattggtta agacattcaa ggcctcattt ctacctttct tcgatgaact gtcctcttac 360

ttaactccta tgtggggaag agataaaaca gcggaagaga gaaggattgc tatatgcatt 420

tttgatgatg tancaaaaca atgccgtgaa nctgcccc 458

<210> 4169
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G10

<400> 4169

acgcgtccgc agaaatagag aaaaagtttc aatctttctt catcttcttc ctccaaaatc 60

cttgatttct aaaaaggaga agaagagaag agaacgcgat taccttgatt caccctcctc 120

cttcaggttt gggaggctcg aatactcagg aaatgaaagg ggcaagtggt gctgttaaga 180

agaaacccca ggtgttgaac gaagctggtg aggcggagac ggcggtggaa acagtcggag 240

aaagccggaa aattannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnntcg attcttcgcg agattggtga tgataggcct acgnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnngg cgtgacct 448

<210> 4170
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G12

<400> 4170

ggatctgctt cagatctaaa ngcaatcaaa gagaagaaga agaaagctaa gcgttcccgc 60

aaaaagcagc ttgttcaaga agaggaacga gtaaagggaa aagtcagcat ganggtgtac 120

ttgtcataca tgggtgctgc atataaaggg gctctgattc ctcttattat actcgcacaa 180

gctgctttcc aatttcttca gattgctaag taattggtgg atggcttggg caaatcctca 240

aactgaaggt gacgaatcta aagtggatcc tactctgctt ctcatcgttt atacggcttt 300

agctttcngg agctctgtgg ttcatatttg ttccagctgc tctggttgca acttttggtc 360

ntgcaactgc acagaaactg ttcctaaata tgcccaaaaa tttngttcca a 411

<210> 4171
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E12

<400> 4171

ttgttggctt tgacgatgtt gaaaccgccg ggtgagtttg gggcggatat tgttgttggg 60

tcgggtcaga ggtttggtgt tccgatgggt tatggtggtc ctcatgctgc tttcttggct 120

acttcacaag agtataagag aatgatgcct gggaggatta ttggtgttag tgttgattct 180

tccgggaagc aagctttgcg tatggctatg cagactaggg aacagcatat ccgcagggat 240

aaagctacca gcaacatctg taccgctcaa gccttgcttg caaatatgac tgctatgtat 300

gctgtttacc atggaccana aggcttaaaa tctattgcac aacgggttca tggtctcgct 360

ggtgtatttg ccttaggatt gaagaaactg ggaactgcac aagtccaaga tcttcccttc 420

tttgacactg 430

<210> 4172
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-G2

<400> 4172

acgcgtccgc acacaattgg gaatggacat tgtccacaga tcacaaaccg tctctacaac 60

ttcaccggaa aaggagatag tgacccgaac ttagacacgg natacgcagt caaactcaga 120

ggaaaatgca agccanctga taccacaacg gctctagaaa tggatccagg aagctttaaa 180

acgttcgatg aaagttactt caagcttgtg tctcaaagaa gaggattgtt tcaatctgat 240

gcanctcttt tagacaatca anaaantaan tcttatgttc tcaagagttt gaatagngan 300

gggtctactt tctttaaaga ctttggtgtc tccatggtaa aaatgggtca gattggantt 360

ttaacgggtc angttgggga aatt 384

<210> 4173
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-C1

<400> 4173

ttacgnctgc ctctaccgcg gntcnnnttc ccggaacgac ccacgggccc gcaatttctc 60

tccacttaaa accaacccca attctcacca aaaatcgcaa aaaaagattt caactttcga 120

taaacccaga tcgaaaaatc agatttttcc aagatcaatc agagagttag agatggagta 180

taataacaac aatcagcaat ctttttggca gttcagcgac cagctgagag ttcagacacc 240

gaatctagcg aatctgtctc tcaacgactc gatctggagc acaaactctg tcttcaaaga 300

gcgtcgaaac ttagacatag ccgccaccac cgacaagaac aacaaccaga tcgactatta 360

tcaagaagaa gacaacttcc gacaacatca attccaactg gaactggaag tcttctggtt 420

caaacaacga catgggttta ggattccggg cctgtggggt taaaatccac ccgggng 477

<210> 4174
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-C10

<400> 4174

acgcgtccgg agaaacgatc ttgctcagga agagatccag tagttctcaa tgataataac 60

tcaaagacag ttctcgggaa gctgtccgtt tcccaaaatg tagatccttt attgaaggaa 120

acaaagtctc taggaagatt atctgtttct cagaactctg atccttcgac aaaagaaaca 180

aagtccattg gaaggtcatc aacatcacaa aattcagagt cctcgatgaa ggaatcaaag 240

cctctcggga ggttgtcagt ttctcaaaat tcagacgttt ctaaagagtc aaggacgttt 300

tcatccacag gaagtttacc aaggcactcc tcatagggtc agttcgacca atgtatcaaa 360

agccacttcg ggtgtttcaa cagccgtctc taatgctgca acgtcaagga ggaattttac 420

aaaagctaac ccaaaggcga atcctgtca 449

<210> 4175
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-C11

<400> 4175

acgcgtccgc ccacgcgtcc ggaaaaaagt ggaaattttc ctttaaattt agtttaaaac 60

tcatacaaat ccttctactc gaccactggt actctccgta agctacttgc tgaattcgat 120

tattgatttt gggcgtagaa gaagatgaag gcatcgatga agtttcgtga agagcaaaag 180

cctcttttta gggctaaagt tcctttaagc atcttaggtt tacccttca atctgggaat 240

cgtcgccgga gaatccaagg agctcagtct caatctctcc actttcttcg aatctggccc 300

ttctctcaaa agtcgcttac cgtccaaacg attcgtggaa tcctttctct ctaatcgtca 360

aaaccggatc gggatcgttc ggttctccga tttcaagctc tatgctcatg agcgctgaat 420

tcaatctcct aagtcaagga aacccta 447

<210> 4176
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-C6

<400> 4176

aaatcgaact tttgattcca aaagcgatga gaccgattca atcgcctcca ggagtttccg 60

ttccggtgaa aagccgtccc cgtcgccgtc ctgatcttac cttaccgctt cctcaacgcg 120

atgtttctct cgctgtacct cttcctctcc cacctacttc cggtggttcc ggtggctcta 180

gtggatctgc gccgtcttct ggtggttcgg cgtcttcaac gaacactaac agctccatag 240

aagcgaagaa ctattcggat ttaagtgaga ggtaacccgt atcggaagcg gagcaagtgg 300

gaacggtata caaagtgatt caccgtccga gttctcgtct atatgcactt aangtgatat 360

acggtaacca cgaagagact ggtgagaacg tcagatcngt agagaga 407

<210> 4177
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-C8

<400> 4177

aaatgctggg tttttgaacg aacgaggatg acgatgctca gagtccgaag cagagatgga 60

ttggagagag tgagtgtaga tggacctcat atcacagtct cccaactcaa aaccctaatc 120

caagatcagc ttcagatccc tatccacaac caaaccttat ccaccaatag aaaccttctc 180

ctcgctaaga gcccttctga tttcctagcg ttcaccgaca tggccgatcc taacctccga 240

atctcgtctc tcaatctagc tcacggctct atggtctacc ttgcttacga aggtgagcgt 300

acgattcgtg gtggtcctgc tgtaacgcct gctggttcct tcgggaggaa gatgaccgtc 360

gaagatctaa tcgctcgaca gatgcgcgtc ggtcgccaag aagaan 406

<210> 4178
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-C9

<400> 4178

acgcgtccgg aaacagtcat tatcctcaac atccccgctg gtatgaatta tgtgatttgt 60

tcggcatgta catgatcgat gaagccaata tagagacaca tggttttgat ctctctgggc 120

atctgaagca ccctgcaaaa gagccaagct gggcaagctg ctatgctggg atcgagtagt 180

tgggatggtt gaaagagaca aaaaccatac atgcataatt tcttgggtca cttggaaaat 240

gaggctgggc tatggggccc aatcattctg ccatgggcag gttggattag gggaaaagga 300

ccctcacggt tggtgcacta tgaaaggtgg tggttccaga aacaagttct acagatataa 360

gcctgcccta agttacatgc gggtttggga catcaaccan gaattgcact tgattaaaat 420

tgaatccacg ggccgtttga tattangcga gntatcaaca atgcta 466

<210> 4179
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-D12

<400> 4179

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tgtatangag cgcatcggtt tcggagatta cagagattca tgcgtcaagg gaaagtgacg 120

attctttgtc tcgttctcac cgtcatcgtc ttacgtggca caatcggagc cggtaagttt 180

ggtacgccgg agaaagatat cgaggagatc cgtgagcatt tcttctacac gcgtaaacgc 240

ggcgagcctc accgtgtcct cgtcgaggtc tcttccaaaa cgacgtcgtc cgaagacgga 300

ggaaatggtg gtaacagcta cgaagacctt cgatatcaac aaagctaatc gttgatgaag 360

gagacgaaag aggaaatctc naagaccggg actaataaaa ccttaatccc cttgggtccc 420

aaagatctct gattgggaat gaancagaga ccttaatttg 460

<210> 4180
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-D2

<400> 4180

aactgttacg cctgccgtta ccggnccgaa naattcccgg gacgacccac gcgtccgcga 60

aaccaatgaa gaactgggta gtgaggggtt tcgtgagttc atatctcttg ttgatcttaa 120

gaaaaatggt ttccttattg gagattgttg tatgtttggt gtcaagttcc atgggattga 180

acctgctaaa cccggaacag cggaaagttt tagcttaata gagaagcctc ttaatcacag 240

agtcacttgg atgatgacca tgttctcgtc cttcaaccct ggaaacgttc atcagtctaa 300

tgaatttgtc gttggaaccc ggaaatggag aattaaagtt catccaagag ggtctatggg 360

tgaaaaagac aaatcatttt ctgtgtatct atcggcacta gggtttgtca ataatgcacc 420

aaagactaaa acttacgccg aggttcaaac tgcgtgtaat ggntttaatt ttgccaggga 480

ncccatt 487

<210> 4181
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-D5

<400> 4181

acgcgtccga tatttttta aaaagaaaaa ccaaaaaatc ctttgaaact tttttagcct 60

gtcgcttctc tttccatcgt cttcctcgtg aacgaaactt ctcgatcttc ttttcttttt 120

tttcacctgt ttttcggtat cacgagaata ctacacttcc cactccactt tatcggatat 180

atttccttga ttttctccga ttgtggtcaa tctggaaaat tattgagaat ctctccctca 240

cttaaccaaa agcgttttta atcagataga gagagaggaa aaagcatcaa ccaaaccatg 300

gctgcgagaa atttggagaa gatggcttct attgatgctc agctcaggct tcttgctcct 360

ggcaaggntt ctgaagacga caaanttaac cgagtacaag gcnccgttac gggt 414

<210> 4182
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-D6

<400> 4182

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gatagaggaa ctcaacaatt gaccaacgat ggcctcaccg gcgcgaggcg agagatactc 120

tctttcttag accaaagact tgcagtggtg tacccagtga tccagagatt caagtcactc 180

atcactctcg acccttataa cgtgaccaag acatggattg gttcagacat ctgcagttat 240

agaggcttcc actgtgacaa tcctcctcac aacaaaaccg cagttactgt tgcttccatc 300

gatttcaatg gctttcagct ctctgctcca tccatcgaag gatttatcga tcaattcgct 360

gacctagctc tgtttcatgt taactcaaac aattttggag gtacggtgnc ctccaa 416

<210> 4183
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-D7

<400> 4183

ctctgccatg gctcccgcac tatctacttc ttgctcctcc gtcatggctt tctcaacatc 60

aaacgcgctt cgttaccatc atcctcaaat ttctctcagg aactctcttc gcgctcccaa 120

atcgccttct tttgtcaggc ttcccctcgg aaaggtgtta cagagcagga ttgtgatacg 180

tgctgcttcg tctgcggctg gtaatccaca gtctgatgct gactttaatc cgtatgaggt 240

tcttggtgtt aaccctatag agggatttga caagatcaag caaacttatg gaaggaaact 300

taaagatgct cagaggagcg gtgatgaagc cactgctgct ctacttgaga aggcatatga 360

taagctcatg tatgcccaag ttgatgaata ngaaaaaggg tgtgactttt ggttcctt 418

<210> 4184
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-D8

<400> 4184

aaaaggaaaa aaagtaatca tcgattcgct ttcacaacct ggaaagctcg aaaagaggaa 60

aaaaattcta aagagcttat caagctcact tcatacacct agatcgattt agggttcgtt 120

tgatttttt ttttctgtga ttgcgacagc tagagatcta tctctggtgg attttgggtt 180

tatgttccat ggcggatcgc ggatctttcg gatttgctcc tcgattagat atcaagcaat 240

tgctgtcaga agcacaacac aggtggctga gacctgctga gatttgtgaa attcttcgga 300

atcatcagaa gtttcatatt gcgtcagagc ctcccaaccg accacccagt ggttcactct 360

ttctcttcga taggaaggtg ctcagatatt tccgaaaaga cgggcacaat tgggg 415

<210> 4185
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-E1

<400> 4185

ttacgcctgc ntttaccggg ccanaattcc cggancgacc cacgcgtccg aaaaaccaaa 60

caaacaaaca acaaaccaga agttttattt ttgttaaaga gtaaccaaaa aaaaaaaaac 120

agagtacctt cttcttcaca cacataaaaa gagacggtac caaaaaataa aaacagagca 180

aaccacaaaa atggggaagc atttattccg atcatctcct ccaccggaga aaccaacagc 240

tcatctctct ctcgcggaat cagctgttca agaatgtatg agcaacatca acaccgtcat 300

atcaaaatgg acttctccgg ctgcttcttc ctccgacgac ttcctcttct ccaccaacag 360

tcgtcgtgaa gcagaggagt ttgttacagc cgttagacat ctacaaagca cgatgcatcg 420

tttggtttcc gttaaacctt cctcggggga aactaatcta agcccagaat ccaaaggna 479

<210> 4186
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-E11

<400> 4186

acgcgtccgc aaacattaag tagcactctt tttcctctct atatctctca ctcacacttt 60

ttctctatat cttctcctca acttggatat gggtgaagcc gtagaggtca tgttcggaaa 120

tgggttcccg gagattcaca aagccacatc acccactcaa accctccact ctaaccagca 180

agactgccat tggtatgaag aaaccatcga tgatgatctc aagtggtctt ttgccctcaa 240

cagtgttctc catcaaggaa ctagtgagta ccaagatatt gctctgttgg acaccaaacg 300

ttttggaaag gtgcttgtga ttgatgggaa aatgcaaagt gctgagagag atgagtttat 360

ctaccatgaa tgtttgatcc atcccgctct ccttttccat cccaacccca agactgtgtt 420

tataatggga ggaggtgaag gctctgc 447

<210> 4187
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-B9

<400> 4187

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cttgctgagg atgggaaaaa gatggctaag aaattacgga attatccacc acctttggaa 120

gtcatagatg agtatggggc tgatgctgtg cgattgtacc tgataaattc tccggttgta 180

cgtgctgagc cactacgctt caaaaaagaa ggagtactcg gtgttgtcaa agatgtattc 240

cttccatggt acaatgcata tcggttcctc gttcagaatg caaagagact tgagactgaa 300

ggtgggtgtg ccctttgttc ctactgatct ggcaactata caagtcagca aacattcttg 360

atcagtggat tcactcagct acgcagagtc ttgttcgttt tgtccgcgag gagatggatg 420

cctatcggct ttacactgtg gttcctcgtc 450

<210> 4188
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-C9

<400> 4188

cacgcgtccg cccacgcgtc cgggaacatc tgggccaacg actttgctgc gtccctaagc 60

accttgcatg cacttgaagg cattgttggt aaagacaagc ttgtggtcnc aacctcctgc 120

tctcttctcc acaccgctgt tgatcttatc aatganacta agcttganna tgaaatcaag 180

tcatggttgg cgtttgctgc ccanaaggtc gttgaantga acgctttggc caaggctttg 240

gctggtcata angacnangc tcttttctct gccaatgctg cggctttggc ttcaaggaga 300

tcttccccaa gagtcaccaa cgangggtgt ccagaacgct gctgctgctt tganagggat 360

ctgaccaccg tcggtgcacc caantgttan tgctaggcta aangctcagc anaagaagct 420

caatctccca natcctacc 439

<210> 4189
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4189

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taatcctctt ggaatcaagg tgagtgataa aatggatcca aaggagctag tgaagttgat 120

tganatcttg aatgctgaca ataatcctgn aaggattaca ataatcacaa gaatgggagc 180

tgagaatatg agagtgaanc ttcctcattt gatcagagaa gtgcgacgtg ctggacagat 240

tgtgacttgg gtcagtgatc caatgcacgg naacaccatt aaggctcctt gtggtctcaa 300

gactcgtccc tttgacgcca tcttggctga agtgagagct ttcttcgaca tgcacnagca 360

acaaggtacc caccccngac ngaantcngc gnggnaagtg ggggggtcag gg 412

<210> 4190

<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4190

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attccttctc tttcccacat acctccaaac ccaccaatct accgttgact ctctcctcgg 180

ctcgttctgt ggcacgcgac atttctcatg cggattcgaa gaaagagctt cttaaggatc 240

cggatgcgtt gtggaagcga tacctcgatt ggttttatca gnaggaaaga gcttgggttg 300

tatctggata ttagtcgggt cggatttacc gatgagtttg tggctgaaat ggagccaagg 360

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<210> 4191
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-D2

<400> 4191

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ggcactggaa acggtactgt gacgcctgga ggaaaaggga aaagcgacaa gttatctgcc 120

ggagctattg tcggaatagt gatcggctgt ttcgtcttgc ttctcgtgct tttcttgatc 180

gtgttctgtc tctgtacaaa gaagaagaaa gagcaagtcg tccaatcgag aagcatcgaa 240

gcagctcctg ttccgacctc atcagcagcc gtggctaagg aatcgaatgg tcctcctgcg 300

gtggtggcta atggtgcatc tgaaaatggt gtatcaaaga accctgctgc agtgagtaaa 360

gatctgacat ttttcgtgaa atcnttcggc gagtttgatc ttgatggatt g 411

<210> 4192
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-D5

<400> 4192

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tgttcctcgg tttccaatgg gagcttcgaa gttcgacgtt tggacctctg aacctgcttc 120

tgtctctgag aggcgttcca agcttttaaa cgaaatgggt cttagccgtg acccggttct 180

ctcccggtta aaacccgttt cagattcttc cagctccaaa gataccggag ccgccggctt 240

cgagatttct cgatcgatct cgtgtaatca attggctcgg cgagatcatg gagagtgttc 300

tgaaagtgtc ggcggttgtg cttcntgtat cgtgagatcg aaatcnggac attaccacta 360

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cgtctcctaa actctctgtt catcantc 448

<210> 4193
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-D6

<400> 4193

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acactggatt tcagtaaatg ggatttgcat atgggtcaaa cctctactag cagcgtcctc 120

accaattccg cttccacgag cgctcccgca ccggcgatgc aggaacggga gattgacctc 180

tccaaactcg atatgaagca cgtcctcgct cacggtactt acggcactgt ctaccgcggt 240

gtctacgccg gncaagaagt cgcagtgaaa gtgttagatt ggggagaaga tggttacgcc 300

acaccangct gaaactacag ctcnccgtgc ttccttcgag caagaggtcg ccgtctggca 360

gaagctcgat natcccaacg ttaccaagtt tatatgagca tcangggaac ctctgatctg 420

cggntccctc ctgctgntga tanctggcng gcngtggtaa cnggtgcana tccctgcgan 480

gggcctgttg tgttg 495

<210> 4194
<211> 386
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-D7

<400> 4194

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ttggtatgct tatagacatt gtggacgaag agtggatgag ggacactttg cctgatgatg 120

atcttccatt gcctccagtg cttgctgtta aaactgatga tactgaagaa accagtatgg 180

ctctttgttt ttttctttgc tttgctttac agtttacata gctttatgat tcttaaggtc 240

taaattcttt ggaatatagt cttttcttaa aactgctagc tgtgaatcca cactggtgat 300

gcatttctga tccaagatgt taaacaccca tattgagacc ttgaaaatgt cataaggaaa 360

gtaatggaga cacatacgtc antttt 386

<210> 4195
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-E3

<400> 4195

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ccttcccaat tcttccgttc aaacaaattt ctccaaaccc aaaccctaat ttcctccgtc 120

tgtgaaatca agggttttct ctgatctggg ttttgatcag aaatcagatc taggtttaat 180

tttcgaaatc aaattatgag gaagagagaa agagagaacc cttgttcgat ttgtgggcat 240

taccataagt acgaggaagg agaagtatgt ggagtctgtg gtcactgtat gcctgtttct 300

tccgatacgg gtggcgccgc aacaagtcca cgtcagtgct tttccgtcgg agattctccc 360

tgagtttctt tacctcggta agttacgaca acgcttctcg ctctgagctt cttaaagact 420

caanggaatc tcctccgtgt tcctaataac ggttcctang ngccangaat cctctaacag 480

ggaattcaat tcaacntta 499

<210> 4196
<211> 451
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-E4

<400> 4196

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tgggagtctt cttgagctct gtaatcactc tctagaagct tattttgcct cctaatgtta 120

ttagggtgtt gtactggaat tattaggatg aaccaaggaa gatgagtctc tcggtctttc 180

aaaaaccaag tcttgtaatg aggagctgtc cactgttgta aagtaagtca ttaanatgga 240

atcctttgca ggttcttgtg aaattgttga ggagaaggat gcggtaaggt tagccaaaca 300

ttctagcaga tattgtatgt caccttggg atcaagtaaa gatatggagc agcgtcctgc 360

attgaagtca gggtaccaag gttctatgga gtatgacatt gatcaagctt ttccaagtct 420

ataactataa aaccatcaac ctaagaagag t 451

<210> 4197
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-E5

<400> 4197

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cagaaaccga atccgaatcc gattcaccga aacacagcga agagcatgaa catccagagc 120

aagaacatcc agagcaatct gaatctaacg acgacggtgg atggagcttc ggtggtctga 180

tgaaaactct agccaccaga tccgaatccg tgattgaaac ctaccgacga gatctcnaag 240

aatttggcac angtttgaag aaagagatcg angtggctca gggatcgctt ggtacggtgg 300

gacatgcgat tgatgagctt gggaacacng tgctaaaagg tacggctgan attantgctc 360

aaggtaagga agcgatttta gccggctggt aangnatctg aatcctctga tagcagtagt 420

agtcnagagt 430

<210> 4198
<211> 416
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-E7

<400> 4198

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ttacagagga gctcatggaa tcattattgt ttatgactgt actgagatgg aaagcttcaa 120

caatgtgaag cagtggttga gtgagatcga tagatatgcc aatgagagtg tttgcaagct 180

tttaatcggt aacaagaatg atatggttga aagcaaagtt gtttccaccg aaactggaag 240

ggccttagca gatgagcttg gaattccctt tcttgagacc agtgccaagg attctattaa 300

cgttgaacag gcattcttaa ctattgctgg cgagatanaa aagaaaatgg gaagccaaac 360

gaatgcaaac aaggacatct gggtcctgga actgtcccaa atgaaaggtc aaccan 416

<210> 4199
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-E9

<400> 4199

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agcttcatag ccggaatctt attattccgc catcaatggt aaccgttggt ttcaaaaggc 120

atcacttctt aggagtctct tcttatggtt tatgtattga tgaatctgta aggcatatga 180

gaagcctaag gtcgtcgagc aatcgtcggc gagtaagtaa aagcgccggc gtgtctatgc 240

cggtggcttc ctctgatgat tttccagcgg tttcttggga gtcttggaan gccggaaaag 300

accacngtgg ctcngtcgnt gagtgacgtc atctggcctg caagcaggag cctttgcggc 360

gatgggcgat aatggggaag aatagatnaa atgctaaacc ctaanaggga tctcaatgtc 420

ngttgc 426

<210> 4200
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4200

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tcgtttcttc attttccgcg tgttgattgg tacaaaggtt taatcaaatg gttggaggag 180

gagttatcca gcaaattctt aggaggaagc ttcactccca atcacttgca actccggttt 240

tgtcttggnt ttcttcgaag aaagctcatn aggatgctgg ttcttctggn gtaagagcac 300

ttgccttgtt gggtgctggt gttacaggac tgttgagttt ttctacanta gcatctgctg 360

atgaagctga acatgggttt ggagantcca gaagtaccct tggcctcaag aatggcattn 420

cttagctcat natgaccaag gcttcgatcc gtccgtgggg catcaagttt atcaagcaaa 480

gtcctgtnga atcagg 496

<210> 4201
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-F10

<400> 4201

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gacgtcaaca acaaatttat cgacaccgct ttcgctatan acaacactta ccttctcttc 120

tccgcctacc ttgtcttctc tatgcagctt ggcttcgcta tgctctgtgc cggttccgtg 180

agagccaaga atactatgaa catcatgctt accaacgtcc ttgacgctgc agccggtggt 240

ctcttctatt atctgtttgg ctacgccttt gcctttggat ctccgtccaa tggtttcatc 300

ggtaaacact actttgggtc tcaaagacat ccccacggcc tctgctgact actccaactt 360

tctctaccaa tgggcctttg caatcgctnc ggctggaatc acaagtggct cgatcgctga 420

acggacacaa gttcgngg 438

<210> 4202
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-C8

<400> 4202

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agaatgatct taaccctatt tggaagccag tctttcttag tgttcaacaa gtgggaagta 120

aggacagtcc agtgataata gaatgctcag actttaactc caatggcaaa cacagtctga 180

ttgggaaagt tcagaaatcg ctttcagact tagaaaaact tcatttggcg ggccaaggaa 240

tcaatttttc tttgcctact ggtgctggac anaacaaggt gttaaagagc caacttttg 300

tgngacaagt ttaccgagac tgtccaccac acattcctag aagtacttgg catctggatt 360

tgagttaaac tttatggtag caatcgattt cacagcttca aatggaaatc cccgcctccc 420

ctgaantcnt tgcactacat tgatcct 447

<210> 4203
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H10

<400> 4203

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ttgncntgac gagtacaanc caaaatgtgt ttagtattat aaaaacggct tgttcgtatt 120

ctcttctctc gctcaacaca tgaagctcaa gtgatccacc gtggttagca aaaggacggt 180

tcacatcatg actatattcg cgagagatct catctatagg atcgaaacga aggttttgtt 240

gccgctcttc cttgtccatt tgttacctta tgtaacatgc cagcaagagt cagaatccgt 300

anaccgcaat agaaaaacca atttcccaac ggaaacggta atcgcaatca ttgtgcttgc 360

aatatttatc tcattaagca tggtcgcttg tttcttgcac aaaacattct atagagcaga 420

ggttgaggcg gcaagccaag aagtgtttca caagtagaac gangggttg 469

<210> 4204
<211> 488
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H11

<400> 4204

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cggccctaat aatggcttgc agagcanaag aacttgtgtc gttaatcttg tanaagatct 120

gtaatcccaa aaggtctgat tccaaaattg aggaacatgt ggaagaagta gaggatttga 180

aagcagaggc ataactcttt aggtctggtt ccaaaattga gaagcatgtt gaagaantac 240

aggatttgna agcagaggca gaactcttta ngttgaaagc aatctcagga acagaggaac 300

tgaaagcagt ggcagatgtc aagaggttga gaacaatctt aagaanacaa tagtgggaac 360

ctcagaggag tgtaagggtg agatgttgaa agaagatctt tttcttccct cggatcttgt 420

acgtctcata ntgtctcgtc tttctttcaa agacaacaaa cgctcntcta ctgtttgcaa 480

ggcanggg 488

<210> 4205
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H2

<400> 4205

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tgacgcattc agaaactgca aacagtgtgc tggaggtaaa attggaattg cacacagtcc 180

ancttggttc gaaccacaag accttgagca tgttggaggt tccattgaac gtgtgcttga 240

tttcatccta ggatggcatt tggctccaac aacttatgga gattatccac aatcgatgaa 300

ggatcgtgtc ggtcatagat tgccaaaatt cacagaagct gagaagaagt tgccaaangg 360

ttctacagat tacgtnggaa tgaattacta gacttcagtg tttgcaaaag aaattagccc 420

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gg 482

<210> 4206
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H6

<400> 4206

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cgtcgtcatg atgcagcagc cacctccagc ttccaacggt gctgcaacag ggccagggna 120

nattccttcc gaccaacaag cttacctcca gcagcancag tcgtggatga tgcagcacca 180

gcagcaacaa caaggtcagc cgcctgcagg atgggatcag cagtctgcac ngtcttctgg 240

tcaaccacag cagcagcatt atggtggtgg tggatctcag aatccaggat cagntgggtg 300

agatccggtc cctgtggntc ggtgacttgc aagccatgga tggatgagan ctatctcatg 360

aacgtctttg ggtcgtactg gcgacgctac ancagntana gttattccca ntagacaagn 420

gcggatattc agaagggt 438

<210> 4207
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H9

<400> 4207

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gtttctgtat tcggacgcaa gtcttcntct ccttcaantt gggtacncnc anagttgtnt 120

cancgatggc ttacnanaaa gagcttgatg ctgctaagaa agctgcttca ctcgctgctc 180

gtctctgtca gaaagttcaa aangctttgt tgcaatcaga tgtgcaatca aaatctgata 240

aanagtccag tgaccgttgc tgattatggt tcacaagcag ttgttagttt agtcttanga 300

aaaagagctc aagttctgaa nccttttcat tggtggctga agaggactca cgcnatctac 360

ncaaggatgg ttctcangag actctggagc gcatcacaaa actcgtggaa cgan 414

<210> 4208

<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-A6

<400> 4208

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tgggcaacaa gcgatcatgg atgcttattt gtgcctctta catctaacag ccggtatatt 120

agtcgaatct ctatttaatg catttgcaac cgctgcgttc ttcaagttcg tagtcttttc 180

gatttttgag atgagatatc ttctggctat atggaaagca acccgtcctt ccaatagcgg 240

agagggttgg gaaacaatga ggagagaact gtcctttctg tacagtcgtt tctatgggat 300

ccttcttgga ggcattttga nantgtacca agttccacaa ctacatgcan gccgattctc 360

cntctcatgt actcattttg gataccacan atagtcgcca aatgtngtcc ggggattcag 420

gaaagnctct gcacccatat tacatct 447

<210> 4209
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-A8

<400> 4209

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ctttgcaaaa ggctgctttt gttccgcaac ctgagagtat aaatgacaca agctatttcg 180

tatcacgctt tagtgaaagc agttgcangc gatactgaaa ctggtaacaa cagtgggtca 240

aatccagatt caggagacga gttggatgaa tgcaccaacc tgggagaagt ttgattctcc 300

gccttattat ctctcgctca ttaacttttc tttcaagaat ttgtcacaat tgggcttcan 360

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ttaaaggcca tgggnacgt 439

<210> 4210

<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-B10

<400> 4210

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ttcggaggcc gtggaggtcg tggagatcgt ggagggcgtg gacgtggagg ccgtggtggt 180

cgtcgtggag ggcgtgccag tgaanaagag aaatgggttc cagtgaccaa ncttggtcgt 240

ctcgtggcgg ctggtcatat caagcagata gagcagatct atcttcattc actcccggtt 300

aaggagtacc agatcattga tatgctcatc ggtccaacat tgaaggatga ggtaatgaaa 360

atcatgccgg ttcagaaaca aaccanggct ggtcaaagga ctagattcaa ngcctttgtt 420

gtcgttggan atggg 435

<210> 4211
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-B2

<400> 4211

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gatgatatgc agaatcttga cataaacaag acanatacac agagacttgg ttgttacttc 180

tgcaacgacg tggttgcacc tcangattca atgactgatc gaactctaga ccaacaatgc 240

actgttacac gcccgggtct agctcctatt gcangagctc tcgccgttga actcttagtc 300

ggagtcctac aacacccact tggtatcaat gcaaaaggcg acanttcgag cntgagtaat 360

acacggaaan aatgatgaat tcgcctcncn gggatantac ctcatcagat acgnggctc 419

<210> 4212
<211> 423
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-B4

<400> 4212

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gacgaagctc cgatcttact gagacatttt tgctcgattt gactttcgcc tttaaagctt 180

ctcagagatt attgtactga attaatggcg aattctcgtc aatattatcc atctcaagat 240

gaatcaatgt ccccgacttc tgtgangatc aagggaatgg gaaggtcctt ccagatggac 300

tgaggtactt gggacctgaa atggctgcat cagtgtcttc tactaggagc tctaagcaaa 360

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att 423

<210> 4213
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-050-Q1-E1-B8

<400> 4213

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tggcaaaaga agttgcagaa ggcgattagc cggtcacaat gaacgaagaa ggaaacctgc 120

attctatttc ctaccgggta agcgccataa gcttcttcgc acctctcaag atgtagtagg 180

caacaagttt ctggagaatt catcattggt attgccagag tcatttcctg gtagtctctt 240

atacagagta atagatgaag acgaccaccg tacaagtaga ctcgtgagtt tcaaagatga 300

acctacttgt tccatgtttc ctactaatga gcaaaacagc agcaagaact tatgaatcta 360

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cacgctctac tcgtggctct ctctc 445

<210> 4214
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-C4

<400> 4214

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aatccagcta ctaagttncc cttggataat caatcaaaga ctccgccgtc aagtcctaag 120

tccaacctca aaactaagta nggagggaat tcaagattca agcttctgac caatcacctt 180

caagttccag tggagatgca cagagccgta ctgatcggat tgtgttcaaa ctctttggga 240

aagagccgaa tgattttcca gttgccttac gaggacagat tcttaactgg ttagcgcata 300

ctccaactga tatggagagc tacattagac ctggttgtat cgttttgacc atttatcttc 360

gtcaagatga agcttcttgg gaagaacttt gttgtgatct gaagtttcag cttgaggagg 420

cttctagatc tttcagatga tnctttatgg actgatgggg tggctttatc ttaagggtgc 480

aaaaaccaac tcgcatttgc gttaatggtc ag 512

<210> 4215
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-C6

<400> 4215

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tatcgaatgg tcgagctgag aagcctgaga tagacacttc ggctccgttc gagtcagtga 120

gagaagcagc cactcgtttc ggcggttttg gtttctggag accttctctc aataaactcc 180

cagatgcttc tcaggaaaat atccaagaac ctgatatcat gggactcaaa gcacaagctt 240

tcgagctaca aagagaacta attgttaaag aacgcgaaac gctaagaggt gttgaaggag 300

cttgaggcga ctaaagccac agtcttaaag ctgcagcaga ggaatgaagc ttatgaggag 360

gacacgttga gagaagaagt tgacagtcat atcaagccag cgggtgtggt tctaaaggat 420

ttaagccagg cgaagatgaa 440

<210> 4216
<211> 452

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-C7

<400> 4216

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tttgtccttt cccatatgat ctcattcagc gtgagctcaa gagatatcca aatgcggaga 120

tcgtttggtg ccaagaagag gcgatgaaca tgggagcatt cagctacata tctccacggc 180

tatggacagc aatgagaagc gtaaacagag gagatatgga agacattaag tatgttggtc 240

gtggtccttc tgctgcaact gccacgggtt tctatacttt ccatgtcaaa gagcaagccg 300

ggcttgtcca gaaagccatc ggaaaggaac ccatcaatta agaactcttc ctttttaaat 360

ganttctcan actgataang anaaannngga naaaactttg aaatnagaaa ctttggggtg 420

atgcaanaag tgcgaaacaa cactgtcaan aa 452

<210> 4217
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-H1

<400> 4217

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gatcaagatc tctcgagtca gccttgtgnc taactcagtc gaancactcg ttctcccact 120

cactttcttt gatttactan ggctaaaact caatcccata gagcgagtta ccntctacaa 180

actcaccgag tcatctcgtg actccttctt ctcntccatc ntccccaaac tcgancaatc 240

cctcncccctc gtcctctccc acttcctccc actctccggt cacctcaaat ggaaccccca 300

agatcctaaa ncacagatag tcatcttcnc caaatanact gtntctctca nagtggtcga 360

gtccgaagct gacttcncgt atatccgcta gcaaanaact tcgtctggag aatgaattac 420

gtcntcttgt c 431

<210> 4218
<211> 499

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E3

<400> 4218

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atttgctaat cagctgatgc agagttgtgg attgtcttta ttctacgtca ttggaaattt 120

tgttcattgg cgtaacttgg ccttaatcgg tctcattcca tgtgcgttgc aagttgtgac 180

tttgttcttt attccagagt cccctagact actgggaaaa tggggacatg aaaaagaatg 240

tagagcttca ttgcaaagtc ttcgcggaga tgatgcagat atctctgaag aagccaacac 300

tatcaaagaa accatgatct tgtttgatga aggaccaaaa tcgcgggtta tggatttgtt 360

tcagagaaga tatgctccat ctgttgttaa tgggtgtggg aacaatgcct cctacaaaca 420

actcccctgg gaagcctcaa ggacttaang ttactaatgt tccggtaacc ntattttgat 480

aaaagggagg ggtttccaa 499

<210> 4219
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E5

<400> 4219

ctctcaaggc ccaccaaaac caaagaccga tcttgccaan cttcctcctg gcccaccagg 60

atggcccatc ctcggcaatc tacccgaact attcatgact cgtcctaggt ccaaatattt 120

ccgccttgcc atgaaagagc taaaaacaga tatagcatgt ttcaactttg ccggcatccg 180

tgccatcacn ataaactccg acgagatcgc tagagaagcg tttagagagc gagacgcaga 240

tttggcaaga ccggcctcaa cttttcatca tggagacaat cggagacaat tacaaatcaa 300

tgggaatttc accgtacggt gaacaattca tgaagatgaa aagagtgatc acaacggaaa 360

ttatgtccgt taagacgttg aaaatgttgg aggctgca 398

<210> 4220
<211> 418

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E6

<400> 4220

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tcaagctcaa atcatcattc gccgattcca atctcgccgt gttcgattcc tggaaactga 120

actccggtat cggtccttgt agcttcatcg gagtaacctg taattctaga ggcaacgtta 180

cagagattga tctctctcgt cgaggtttat ctgggaattt tccattcgat tcggtttgtg 240

agattcaaga gtctcgaaga aaactctctc tcggattcaa ttcactatct ggaataatcc 300

ccagcgattt gaaaaactgc acgagtttga agtatttgga tctcggcaac aatttattct 360

ccggtgcttt ccctgagttc tcatctttaa atcagttaca gtttcngtac tcaacaac 418

<210> 4221
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E7

<400> 4221

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ctgatganac cagatcggat cttgctctag atccagatgc tccttaactt atttactcga 120

attcatcatc atcgttatca tcaccatgtc actgtttcta aaagacgatt cgattcaaat 180

ccgtgaagta tggaacgaca atctcgaatc agagatggct ctgattcgag aagtcgtaga 240

cgatttccca ttcgtagcga tggacacaga gttcccagga atcgtgtgta gaccagtggg 300

gaacattcaa aaccaacaca agagtancac tacgaaactc tcaanacaaa cgtcaacata 360

ctcaagatga ttcagcttgg actcactttc tctgatgaga aaggtaacct cccaacttgt 420

gggaca 426

<210> 4222
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-049-Q1-E1-E9

<400> 4222

acgcgtccgt cttgatcttc ttcttaactt atacctcaaa taatggataa ttatcagacc 60

aagaatatat ctaatctatt aacttctttg tgttttacca ctctcttaat attagctccg 120

gtggttatat gcactagaca acaccggttc gatagcccga aaagaagctt gttggccaac 180

gagcaagatt tagtgacagg tttgcctgga cagcctgatg tgagtttcag acattatgcc 240

ggatatgtcc ctgtcgatga atccaacgga agagctatgt tttactggtt ctttgaggcc 300

atggatctcc cgaaagagaa acctctagtc ctctggctta atggaggtcc aggttgttct 360

tctgtgggat atggggcaac acaagaaatt ggtccttttc tcgtggacac caacggaaac 420

ggacttaact ttaatc 436

<210> 4223
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-F1

<400> 4223

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gctctgtaaa ttggagaagt tttgttagag atcaaatggc tgggatttgt tgcggtgttg 120

ttggagagac tgaaccggcg gcaccggttg attcaacttc tcgagcttct cttagacgga 180

ggttagatct acttccgtcg atcaaaattg ttgctgactc cgccgttgct cctccgcttg 240

aaaactgccg taaacggcag aagcgtgaga cagtagtgct ctcgacgtta ccgggaaatc 300

tanatctgga ttcgaatgtg aggagttgag aataagaagg ctanatcagc ggttacnaat 360

tcaaattctg ttacgggaag cagagaattt cctttcccga tgtanctaaa natcgggaac 420

gaacgtcggt tt 432

<210> 4224
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-F2

<400> 4224

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tgcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nngtcgtatt ggtgttacag ttgtacacga ttcatcagcg 180

tttgggaaga tcaagacgca aacgctggag tcttatgtcc ttattgcaac ggtggattca 240

tcgaagagat tgaagattct tctaattcca ccgtcgcggc gattccggct tcgactccgg 300

aagttagatc ggttgaggaa acacatagat ctataattag acgtcgtaga tctaatcgcc 360

ggacgtcctt taatccggta atcgtcttac acggcggagg aggaaggagg agcggtgaga 420

gagttgagaa cgaagaaggt gacggagcta ctagagaacg acgagcttat gaagtttta 479

<210> 4225
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-F3

<400> 4225

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ttgtcctcag atttancgct aataatcctg gtgtanggct gttccattgn cacatggntg 120

cacatttacc atacgggatt atgagtgctt tcatagttca aaacgggcca actccggnaa 180

cgagcttgcc atctccaccg tcgaatcttc cgcaatgcac tcgggatcct acgatctatg 240

actctcggac gactaacatt ganttgtcat actaaangta anttaggttc gttttccatt 300

tttaaatatt gnccgtacat ttacannttt cacatttttt gggaaatcaa tggttccata 360

atgtgttgca cacagattgc cctcaataan tgggcgnttt caaccntcca aggcgaaacg 420

ggaanaag 428

<210> 4226
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-F5

<400> 4226

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncgaga aatcagacgg 120

cggagaaggg aaggcgtcgt gggtggggaa ggacgggaag gtgtaccata gccacgatgg 180

actcgcacct cactcacacg aacccatcta ctctcctggc tacttcagtc gccgagctcc 240

tccgcttcac gaccgtaact tctctgagag agcttttacc gtcggtattg gcggtcccgt 300

tggcactggg aaaacggcat tgatgcttgc tctttgtaga ttcttgaggg acaaatatag 360

tcttgctgct gtgacaaatg atatattcac gaaagaggat ggtgagtttc tggtgaagaa 420

tggggctctt cctgaag 437

<210> 4227
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-F7

<400> 4227

anaaaaagat ttagccagaa ctcaagagtc tgagctgtct gaggtatcaa aacatacttc 60

ctctcccaaa ataatagaca gtggcttgaa tcagaagacg gtaaaggcat cttctccaac 120

taatcgggct ttattctctg aaactgatgg agcacgagaa tcaaaagcac ctgcagattc 180

gcatcttcca tcttcatctt caccttcacc gggctcatcg aatttgtcac cctctttgaa 240

ctctgggagc gaggccattt ctactccaaa cgtggtanct aatagctttg atgcagcgtt 300

ggctantgag aacgaagtaa ttgtaaatga aattgtccat gacaatanca ntagttttgc 360

tgatagcctc gacnctaaca ctggggatac aagcaacttc 400

<210> 4228
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-G1

<400> 4228

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tacattagga gaaagtataa gcatcgactg tggatcaacc ggatcttacg tggactccaa 120

caatgtaaca tgggtcggag ataaaggctt cgtcaccaac ggcgagccca tgaagattcc 180

ggacgttgtc aaaaagccaa tcaacactct ccggtacttc ccaactggtc aaaccaactg 240

ctacaccaac attccggtga caaaaggcca agaaaaccct cgtgaggacg aagttttact 300

atgagaacta cgacncgaag ttctcgccgc catcttttga tgtgatttat gacgggaaac 360

accgtgattc caatggnaat taacgagtcc tttgccaaat gaatgaagaa acgttccaat 420

tccccggang gtgatatatg ttccggga 448

<210> 4229
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-G10

<400> 4229

acgcgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaaagctgaa cacaaagatc 60

tattctttca ctaacacatt ancaagtttc tgcatttgta gatatgatcc ttttctaaaa 120

cttttaacca cttctttctc cattcccagt tcttagaaag agtcaagagc aatgaggaag 180

cttttcttgt tanggtttat agttgcagga ctggttcttg ggaatgaggc aaatgggtat 240

ttagagttca atgtcactga attagatcgc attgaggatt taaagtttgg tttctccaan 300

tttagttcca atttcaatcc attaatggtt ggtctcacac ttatcagagg agctggttct 360

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tctggagcca atanctggtt aattc 445

<210> 4230
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-G4

<400> 4230

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aagaagcgcc accggtgaca actttaccga tgaaagcttc aacggtgaaa tctccacaca 180

actgtgaggc cattctcaga gacgcagatc ctccgatctc tctctcctct gttaatctct 240

ctgaacagct acggtctggt gttttcttga aacccaagaa acagatcaaa tattgggtgg 300

acgaagagaa acagcaactg cttcatgctc tttgcaaaag aaacctctcc tataacttgg 360

tcctgatgac gtcaactatt ggacttgggt taccgaaaaa gagtcaccaa acgaagaaat 420

gtggaaacct gtggggaatt gaaaa 445

<210> 4231
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-G7

<400> 4231

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncat 120

ctgcttacgc tcgattcgtc tccctaaacc catcttcaac gagtctaatc tccgatggaa 180

tcgacggtgg ttcaaatctc gccggttccg gatcggttat caagtcggtt gtttcggctc 240

cggctgagga aaaggaggaa gcttgtgagc agacatacgg ggttaaggcg ttgtacnaag 300

aacgctcctt gggaaacgtg tttcctgatt tttggnttaa tggatttctc aatggtttaa 360

cgggctggcg acgtaacctc ctcctgccng gaaagtgagc ttcnttcctt gaagatcctt 420

gggacctggg aattgtcggn ggtttgtttc ttccgaa 457

<210> 4232
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E2

<400> 4232

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ccattcattg tttatgcaca acatgtgtat ccgacnaact cangaggagc ttgagagctt 120

tggtactccg gnttttacta tatacaatgc ngggcagttt ccatgtaatc gttacactcn 180

ttanatgact tcgtccacta gcgtatacct taatctggct aggagggaaa tggttatact 240

tggtactcag tatgctgggg aaatgaagaa nggtcttttc antgtgatgc attaccttat 300

gcctaagcgt cntantctct cccttcagtc cgggatncaa tatgggaaaa aggatgggaa 360

aatgtttgcc ccccatcctt tggacttttc aaggtacccg ggnaanacaa acgcctgtcc 420

taacgggtnc acaaccatgg tatccttatt g 451

<210> 4233
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-H5

<400> 4233

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gtatttaata aggccttgtg atggtggtgg ttctattatt cacattgtcg atcaccttaa 120

tcttgaggct tggagtgttc cggatgtgct tcgacccctt tatgagtcat ccaaagtcgt 180

tgcacaaaaa atgaccattt ccgcgttgcg gtatatcagg caattagccc aagagtctaa 240

tggtgaagta gtgtatggat taggaaggca gcctgctgtt cttagaacct ttagccaaag 300

attaagcagg ggcttcaatg atgcggttaa tgggtttggt gacgacgggt ggt 353

<210> 4234
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-H7

<400> 4234

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tctttcaagg acaatctcga ctaaggcgat ancaataagc ctgaagatta ntctaaaacc 180

tctaccacca acttgtcttc taattccgac cattcaccga acgctgcaga catcattgct 240

cangaattct ccanagacaa caacagcaac aacancagca angatccagc tcttgttant 300

cctttaagag aaccaatcat gaggcgtaac ccagacaggt caagcttact atgttccttg 360

gtcataagac acca 374

<210> 4235
<211> 362
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-H8

<400> 4235

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ttgtagcagc tactgtattt tgggcttctc atttgatatt ggggaaacga ggagtagagg 180

acgatggaaa atctgatctc tctggttaac aagatacaga gagcttgcac ggctttagga 240

gaccatggag actccagcgc tttacctact ctttgggatt ccttgcctgc gatcgccgtc 300

gttggtggtc agaagctcag ggaagtcttc agtcctggag agcaatcgtg gggaaaggac 360

tt 362

<210> 4236
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A12

<400> 4236

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gtataataac aacaatcagc aatctttttg gcagttcagc gaccagctga gagttcagac 120

accgaatcta gcgaatctgt ctctcaacga ctcgatctgg agcacaaact ctgtcttcaa 180

agagcgtcga aacttagaca tagccgccac caccgacaag aacaacaanc agatcgacta 240

ttatcagaag aagacaactt ccgacaacat caattccaac tggaactgga agtcttctgg 300

ttcanacaac gacatgggtt taggattcgg acctgtgggt tcaaaatcca ccgtcgattt 360

aaacccaatc gacanattca actcaccgtt caacgacacg ttggna 406

<210> 4237
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A4

<400> 4237

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gattttcggg attcattaca gagagatggt gttcctgcag tatcagcaga tgtgaaattt 180

gcttcaagta gatttcctaa ttatagaatt ggagctaatg atcaaatatt tgntgttaaa 240

gacgatccta aagtgatgtc catgaaagag gttgttgcgc gtgagacaag cgcagcttat 300

ggaccagcag aaacgtttgt ctgttcgtga cctcgctcat aaatttgaga anggtttggc 360

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aac 423

<210> 4238
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A5

<400> 4238

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ggtcaagtct gggaaagtga ttgtttccag acactatgtg gatatgtccc gtatcaaaat 180

cgaaggtcta cttgcagctt ttcctaaact ggttggaatg ggaaaacaag catacctata 240

tcgagacgga gaatgtgcga tatgtttatc aagcctattg nagctctgtt cctgnttctt 300

gttacancta aagcagagtt ancattcnag aaggacntgg gccannctta ctttgntcnc 360

naaanttggt acctgagtat ccagggtcnt gnaggagtan aaaggatttc caagggnatc 420

tt 422

<210> 4239
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A7

<400> 4239

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aggcaacaat gcttggccag cccatgagta tggtattgcc tggtgttgtt ggattcaaac 120

ttgccggaaa aatgcgtaat ggtgtaacan ctactgattt ggttctaaca gtgactcaaa 180

tgctgaggaa gcatngcgtt gttggaaagt ttgttgagtt ttatggtaac ggcatgagtg 240

ggctgtctct agctgacagg gcgacaattg ccaatatgtc tcccgagtat ggtgnaacca 300

tggggcttct tccctgtgga tnaatgttac tcccacaant atctcaaatt gactgggaan 360

aag 363

<210> 4240
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A8

<400> 4240

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caaaacttca cgattcaaga tctgtgtgtg gcagaatttg aatcgaagca taggatcaat 120

ccggtaagca gccgtaactt gcaatcgatc gccgatctgg atccgttaaa ggatccctcg 180

cagtccttga agatatcggc gtcctccgcc accgggaaca ggatccgtta ccgttcacct 240

tccgcttctg agctattgga gtctggacta gccaccggat tatccggtaa ccattctcct 300

acttccgact ctcatcaggg acttgtgtct atcgacggag gaaaaatgac ggcgaagcga 360

gcgatcggac ggnacgaatc ccttgctgac aaggnccacc gacaancgtg ggcctc 416

<210> 4241
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-A9

<400> 4241

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ttattcgtct tcaagatttc tccaacaagt cctaccatgt ccggcgaagg agacacgacc 120

ctcaaagcta tctgttacaa gcctggctct ctccagttac tcgatcagag gaagcttcct 180

ttagagacta tttacttaga gattcgtgat gcttcagatg gatggagtgc tattcaggaa 240

atggttgtac gtggtgctcc tgctatagct attgctgctg ctctttcttt ggctgttgaa 300

gttttcaact ttcatggttt tgatggatca gcttcagatg ctgttgcttt tcttgagaac 360

aagttggatt atttagtgtc aagccgtcca acagcagtta atcttgcaga tgctgctttg 420

aaacttaaac atgttatagc aaaggccttg gctactgcca c 461

<210> 4242
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-B10

<400> 4242

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tatatttacg atccacgatc tctcttgctg tttctgtctt catcgtgacg aaaatggctg 120

ctcgtatcgg gatcttctcc gtcttcgtag ctgtattgtt atctatttct gcattttcct 180

cagctcagga tctccagatc gtaaatgccg agcgaaggat tgatttaagc tcacatatcg 240

tgaaggcctt cttgactctc aaggttgaaa atattgggaa agatcctgct gcagaaatgc 300

ttcttgcttt cccaactaac ccagntcang anttggggca angggaaaan gccctggnaa 360

ctacgggnaa gaangaagaa gaaacctaat tggcaataag atgtaaaac 409

<210> 4243
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-B11

<400> 4243

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aagaagaaga ggaagaatgg ctacatgtcc tcctttcgat ttctcgacca aatattacga 120

tggtgacggc ggatgccaga ggcagagcag cttcttcgga ggcacgacgg tgctcgatca 180

aggcgttggc tacgccgtga ttcttggttt tggtgctttc tttgccgtct tcacatcttt 240

tttggtatgg ttagaaaaac gatatgtggg agctcgtcat acatcggaat ggttcaatac 300

aagcgggaag aaacgttaag acaggactta ttgcaagtgt cattgtatca cagtggacat 360

gggctgcgac catactgcaa agttcaaacg tag 393

<210> 4244
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-B12

<400> 4244

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ggagtcgata tctgggcaca gattcaacaa gacaagaacg ataagaagaa agaggaagag 120

atcgagccgg gtcaatccga tgtatggagc tcgattttgt ctgagaagaa gaagactgaa 180

tcgagcaagg acactgttcc tccaccgtat gttcatccat tgatgaaacg tgcgagttcc 240

ttgagtgaga aaagcctcga gatttgtact gagagtctcg gatccgagac tggttgcgat 300

ggtttctctt cgcatgcatc gtcggagact ggagatgctg agatngagat tcatgatgaa 360

gaccaatctc cgttgttaac gtgacggga 389

<210> 4245
<211> 411
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-B6

<400> 4245

gggaaaaatg gaagccaaat ttggatctca aatttctctt cattttcgta ccaattcatt 60

tcctttaagg aaactctatg gctttcccct taccacattt tccggtacgt ctttaaatca 120

tcttcgttta aaggccacta atactttaaa gggtgatgat caagagagta ttcgcaagtt 180

caagaagtta ccaacttccg aatggactca ctacttccac tcgtttgtcg tcgatgtctc 240

ggaaatggat gcgcttagga atgagatcga tgcactaaag ccgaaagtga aaaacacaat 300

catgtcttcc caaggcattg actcgacaaa gaagaagaat ccttatgata tatatgttgg 360

tgagccttgg ccttgcacat cattttgagg aagagatcta tgagacccaa a 411

<210> 4246
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-B7

<400> 4246

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tgcctcaaga gttccggatc tacggcgtaa gtcaggcatc ctgtttatca cttcataagc 120

attagcgacg tgattttacc taaagatatg ttcatttttg gaccactttt aagggatttt 180

catgtcttac tatctcttgt tttctgattt ccctagatct gtatgaaaag ataccaagcc 240

atattgagcc aaagcttctt ccttttcagc gagaaggcat agagtatgtc agccatatgt 300

agtacctgtg gtttttcttt attaccaaat gagtagtaac ttgctctggc tgcctgatga 360

cttttgcctc attattgggt ctccaccttt ctcgcaatgg ntt 403

<210> 4247
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-B8

<400> 4247

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cngagagaga gagagaagaa acttgttgaa acaaaatcan cancaactta tagaagacna 120

aananagatt cataggatct tttgcttgac aatgaaagaa ggaaaggatg ggtttgttcg 180

agcagatcag attgatctaa aaagcttaga cgagcaacta gagagacact taagcagagc 240

tttgacttta gagaagaaca agaagaaaga tgaagaagac acaaccgccg tcgccatcgg 300

tggctctgct tcttcttccc ctgtcactct aaacggcggc ggatttgttg gcaagaggaa 360

acagagactt gagtggggag atcgatcctt ctaaacntat cancangact gttcntgctc 420

ggtgggactt ttgggg 436

<210> 4248
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-H4

<400> 4248

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ctctaaattt anntacccat tttttccgat aaatttttgt tgaggaagaa tttttgttgt 120

aaagagagtt taattaaatt atgccttcaa nagaagatga gctgtttccg tcaacgccgg 180

gtaaattcan aattgaccgg tcaaaccgtc atgctccacc gttgtttcgc ttctacnagc 240

accatgtttc tttgggcnct cttcctcatc ggtctcancg cttcttacnt gagtttccaa 300

agcttcgtcg attccggtag ccgttatcna accgcttcct gggggggggca tccaatgggg 360

aaaaacaggg tcc 373

<210> 4249
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-D4

<400> 4249

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attcaagttt ctgtcttccc ataggcaaag ccaagattga acgagaagga aaggacgtaa 120

cgatagtaac tttctcgaag atggtcggtt tcgccctcaa ggcagctgag aagctcgcag 180

aagagggaat aagtgctgag gtaataaatc ttcgatcaat ccgtccgctt gaccgagcca 240

ccatcaatgc ttcagtgagg aaaacgagta gattggtaac agttgaagaa ggtttcccac 300

aacatggagt ctgtgcagaa atttgtgcgt cggttgtaga agagagcttt tcgtacttgg 360

a 361

<210> 4250
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-D6

<400> 4250

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cgtcattaca atggagcgag cacgaaccga aagccctagc tacttccgtc aatggagcgg 120

cgattcaggt accaccaatg ccgccgccgt agctccttct tctccggcgc gtcatcacca 180

cgctcgatct tcttccgtca ctaatatgtc taacgtcaaa cgagctcaaa acgttgctgc 240

taaagccgct gctcagagac ttgctaaagt catggcttct cagaccaaca nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnc 357

<210> 4251
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-E10

<400> 4251

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tgctctgcag gtggtctagc agttatttta cgctgtgacg aattcagaaa cttgttttct 120

ggatggacca gagttaaatg cttaagtgat gcaggcttgt tcttggncac gcctgatgta 180

tccggtggac acactataag gaatttatat aacggcgttg tgcanttgca gggagtgaag 240

aacaatttgc cacatttatg cactaaccat ctcaatccaa cctcttgttt cttccctcaa 300

aacttgatca gtcagatgaa aactcctctt ttcattgtca atgcagcata tnatatttgg 360

cangattcaa agcagtatcn ctccncccga gtgcagattc tantgggtaa tggg 414

<210> 4252
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-E11

<400> 4252

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cgctgaaagt gaaaagttca tctagcttta gttttctctt ttcatggttt ccgcgggaaa 120

agttcgtctt ttttgaagcc cttttgacac aaaagaccag aacaagttga agaaatatga 180

atacaacctc gacacatttt gttccaccga gaaggtttga agtttacgag cctctcaacc 240

aaatcggtat gtgggaagaa agtttcaaga acaatggaga catgtatacg cctggctcta 300

tcataatccc gactaacgaa aaaccagaca gcttgtcaga ggatacttct catggggaca 360

gaangaactc ctcacaaggt ttgaccaaag 390

<210> 4253
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-F1

<400> 4253

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gggagctata caaagctcaa gaagagcttg tgaaggttgc taagaaatat ggagtgaagc 120

taactatgtt ccatggccgt ggtggcacag tcggaagagg aggtggtcct actcatcttg 180

ctatattgtc tcagccacca gatacagtta atggctctct tcgagtcacg gttcagggtg 240

aagtcattga gcaatcattt ggggaggcac acttatgctt tagaacactt caacgtttca 300

cagcagctac tctagagcac ggaatgaacc ctccgatttc accaaaaccc gagtggcg 358

<210> 4254
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-F11

<400> 4254

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attaaaagag aanataaccc ttaataatgc atttgccaat ttacactagc aaagtcgtgt 120

aactcgtgtt gtatccaata gattacttta atattgatgg tggatttgat agatgaaagt 180

tacatgtcta aggagcatct anacacggtt atagattgga taccatcaat gangaatctt 240

aggctaaaag acatccctag cttcagacgt accactaatc ctgacgacat aatgctcaat 300

ttcatcantc aagaggtgga gcantcnaaa cgcgccagtg atcattctca atacgttcga 360

tgatcgtgat catgatctta nacaancnat gcaatctatt ttattacctc cggtttatan 420

gattggganc ggctcccanc gccnagccag accagggaaa 460

<210> 4255
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-F12

<400> 4255

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ccatgatctc taccttttact ccatgtctca acttcatcan cggaagcagc ggcggttccg 120

tcactcccac cgccggctgc tgcgactcct tgaagacgtt gaccaacact ggcatgggct 180

gtgcttgcct catcctcact gctaacgtcc cgctgcctac tggcttcatc aatcggnntc 240

tggcgcttgc nctacctcga gcctncaaaa tgggcggtgt anctattcaa tgtnaanctg 300

cggggacncc tctannagct ccaggtcagg ttccattttt gattgctcca ccacctcagg 360

tgtctgcttt tancccggga gcgtcnaagg cggcggggac aacaccaaca caggnacctg 420

c 421

<210> 4256
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-F6

<400> 4256

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atctctcttt ctttgtcttt aacaagaaag acaacaagta cctctcaatc caagatgttg 120

aagttaagcg tttcagttct tctaaaacgg tttggggatt gccaaaagct atgtcgcttg 180

aaacattcac tgaccctgca aagggattta tcgtggaagg agaaccatgt gagtttggtg 240

ctcatgtgaa gattgcttca tcacccgtcc ctgttgatga gaatctccct tttcacaaat 300

tctcttggag cattcgtgat ttctctgttc tgaaacagaa atgattgcat atctaaa 357

<210> 4257
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-F9

<400> 4257

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tttaacggtt ctttaaaatg atgggtattg gtcaaagaag ctcttttcaa tctgggaagg 120

ttactgggta aatgttggta cattggctca ggttttataa agtttggtga tcattctcag 180

tttcaagttt gatcaaaatg tggggctttg cgtcgaatgt cattggaagt atggggttaa 240

agaagtcccc taaagattca gctcaagcat cctctcaatg ctcagatgat gaggtttcaa 300

atattagcag ggatgaagag ggattagaat gtcccatatg ttgggaatct ttcaacattg 360

ttgagaatgt tccttatgtg ttaaggtgtg gtcatactcc ttgccaaaat 410

<210> 4258
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-G12

<400> 4258

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nnnnnnnnnn nnnnnnctgt aaaaatcaaa gctttttgga atctttcttc ggngatgata 120

tttcttcacc ggcgcaagct tctcttgagc gtgattcanc actgggtttg catttttcc 180

tggtgggtat tcttcaaatt gttcaaagct ccgacctttt cttccttaga atctgattac 240

tggnancttg aanctgggag agactccagt ttatatggtt tcaancatcg ttgagtcaan 300

cattggagtt gtgtagaaga aaggnttggg ttttccgtcg ccgtntaagt ggttttgggg 360

tttggtagga tttggtgtaa tcagggaaga taanaga 397

<210> 4259
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-G2

<400> 4259

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gtggcagtgg aagtaacaag aagtctaaga agaataataa tccgagcaat cagaaaaccc 120

taggcgcggc atggggcgct gcttcttctc gttcttcttt ccggtcttct cctttctccg 180

atttcggaag ttacatggaa gtgaaaaata ggaaacttca gaaccaattt gagactgagg 240

cttctgctgc ttctcgtggt gtttcgggtt ctgagaaact tattttccaa ggggtttcaa 300

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tatg 364

<210> 4260
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-G6

<400> 4260

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gactcgatct ttaatcgaag acgagtcaac ggaggtttcc gcgttannnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnat 180

agtggtagtt ttggagattt gttctcatgg cctgatcttg gtgggattgg ttcgagtgga 240

gtcgtgaagc tttgggatca tttagatatc gatggcgatg atcatgagaa tgttgtggca 300

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<210> 4261
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-G7

<400> 4261

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cttatggtca aaacggaagt cactttgaac caaagcctgt gccaccacca attccaaaga 180

aatgtgactg ggaaattgaa cctgctgagc tggatttttc aaatgctgca atgattggaa 240

agggttcatt tggtgagatt gtgaaagcct attggagagg aacaccggta gctgtgaaac 300

gtattcttcc ttctctttca gatgatanac tggttatttc aggacttcag gcatg 355

<210> 4262
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-G9

<400> 4262

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gtatctgcgc aaggccttgg ttgcatgggc ctctccgctt tctacggtgc tcccaagccg 120

gaaaatgaag ccatcgctct catccaccac gctattcact ccggcgttac tctccttgac 180

acctccgata tctacggccc tgagaccaat gaagttctcc tcggaaaggc tctcaaggat 240

ggggtgagag aaaaagtgga acttgcgacc aaatttggaa tcagttatgc agaggggaaa 300

agagaggtca gaggagatcc tgaatatgta agggctgctt gtgaggcaag tttaaagagg 360

ctagatattg cctgcatcga tctctattat cagcatccgt gtcgatactc gtg 413

<210> 4263
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-H10

<400> 4263

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gctttgcttt tgacatcgcc ggctatgaag cagaagccgg cggtgataac ttctcctcgc 120

cgtggttctt ctccttctcg tcgtcttcga gtttcttgtg ttaccacaaa ccctgctagg 180

aagaaaaacg aaacatgcaa tcattttcga cctatcaaag aagtaaataa ccaattaaca 240

cacacaatac cacaggagaa gcttgaggat cttcaaatca atggaaaatt gggcagaaca 300

aaaactacta ccttatctca aaccggtaga agattcatgg caaccacaag acttcttacc 360

tggcgccaga ngaacgacga cgaattctac gacngggtaa aagaga 406

<210> 4264
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-H11

<400> 4264

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acggngacgc gattttctga ttattagggt ttaagatctc gangttgagg agagcttgaa 180

aagttgtttg tcaacatgga gcgcaagacn antgacttgg agcaaggatg ggannatatg 240

cagactggga attacnaagc tganaacgga ttctggaagc gattgaatga gccagnantt 300

gactctggag caatatatga tgctttatac gactatctac aacatgtgca cccangaaac 360

ctcctcatga ttactcacag caagctttat gacaagtatc gggaangaat tgaggg 416

<210> 4265
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-D1

<400> 4265

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gtccgcctaa acgcaagttt caaatcgcta aaaccaacgt ttgaacacgc aacgattact 120

ctctcagccg cgtgactttt tttccaagta gcgtctgcgt ttggcaaagt cctccactta 180

caaagctttc ctccttcaat ctccgccgca acaatctctc cgccgttctc cgccgcacca 240

tgtacataaa ccatatctcc caccgcgttc aacactatcg acgttaacgg ccaatcagaa 300

ttaatccctc ttagtttctc caaatacgtc tcaggcatag atccgatcga ctcgaatttc 360

aaatgcgatt cgtcaagaat ctataacttc ccacagttcg attcccgtcg gattat 416

<210> 4266
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H3

<400> 4266

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tctccgacgc ctggatcgtg atttgattcg aactttcaca taagatggct atggtagatg 120

aaccgttgta tcccattgct gtgcttatag atgagcttaa gaatgatgat attcagcttc 180

gtttgaactc gatccgtcgc ttatctacta tagctcgtgc tcttggagag gagcgtacaa 240

ggaaggagtt aatccctttt ttgagtgaga ataagtgacg atgacgatga ggtgcttctt 300

gcaatggctg aggagttagg agtttttant ccgtttgttg gaggaattga gtttgcgcat 360

gttcttcttc ctcctttgga atctctatgt actgttgaag aagacntgtg tgagagaaaa 420

aactgtggaa tcccttgtaa gaatgg 446

<210> 4267
<211> 506

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H5

<400> 4267

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cctttgccga cttccttctg ttaatcatgg cggntccgga ngatgaatct tccgctcagt 120

ctcaatcatc acctgccacg gcggntccta cgcctcctcc ttcctcttcc ccttcctctg 180

ctggggatca ctacctanct anagtgcatc ctccgcccca ncgtcgttct ccagnttgct 240

tatggcnaat tccgctcccc ttcctcncgc aanatagttt tcggnaagga gacctgcata 300

naattgggtg gttattggtg aanacgggat tgttgantcc gtgtgtgaac aagtatgtat 360

ttgggaacaa ttaacggatt tgggctgtca tacctcatag tagcaagctt tantcgaana 420

atttgcaaga tgggaaaana gancttctgg gctggttctt ttctgaatcc tggaaaaagc 480

tctcaatttc tctcaattaa ncaaat 506

<210> 4268
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H6

<400> 4268

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agagagtacg gaaaatcatc tatggatata tatattttga agcatgaaat cccaaatgat 120

aagtctacgc taacgctagt gtgtttttc acacatgtgt tagttcttta aatatgagat 180

gagtaattgc ttttgagttc gattatgata aatatgttga ccgtcaacat aagaaacctt 240

aaaacgttgt cgtttcgttt ttattcatcc cggtttaatt cagtttgggc ttggcgtnna 300

aaaaaggann tcccggntga nanaataagg 330

<210> 4269
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H9

<400> 4269

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nnnnnnnnnn ncttcttctt cgtanggtgt tcatcgttat taacgttatc gcccctacgt 120

cagctccatc tccagaaaca tgggtgcagg tggaagaatg ccggttccta cttcttccaa 180

gaaatcggaa accgacacca canagcgtgt gccgtgcgat aaaccgcctt tctcggtggg 240

agatctgaag aaagcaatcc cgncgcattg tttcaaacgc ncaatccctc nctctttctc 300

cnaccttang cagtgacatc attangnccn catgcttcta acaangtcgt caccatttac 360

ttctctctnc tc 372

<210> 4270
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-A1

<400> 4270

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nnnnnnnnng tcgataggct cagtatcgga tttttcgtca acactataaa acccattttt 120

cnatctctct gtcnaaaagt ctttacttta aaacaaacag tgacatgaaa aatcaaagct 180

tcgatacaat ctcaggatgg atttgagtat cgcttaatga agttttgatc tttgggttta 240

agttctacaa cagagtattt cgaggattgt atatattgaa gggnttttgt tggttaaggg 300

ataatgatac cggaactggg gagaanaccg atgcatagag gggaacgaag attcntc 357

<210> 4271
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-A6

<400> 4271

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tgaagccata accgcgatta atagctctag ctacgatctg gtactcatgg atgtgtgcat 180

gccggtgctc gatggtttaa aagctacaag actgatccgt tcgtatgaag aaactgggaa 240

ctggaatgct gcaatagaag ccggagtaga tatatcgaca tcggagaatg aacaagtttg 300

tatgcgtccc acaaaccggc tgcctataat cgcgatgaac ggcaaatact ttagca 356

<210> 4272
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-B3

<400> 4272

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gactcatcaa taatctgtaa aaaacttatg ttttaaatcc cataaacaca tcaattcaaa 120

ttcctgaaga agaaaaagcc tgaggttaaa cactgcacct gggaatcaat ttccttaaat 180

ctttactcaa aagatgaggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnngatc cattagatcc tagtggtaac attacaatca aatgggatat 300

tatgtcctgg acggcagatg gctatgtggc tacggtaact atgaacaact tccaaatcta 360

ccggcacata caaaaccctg ggttggacat taggttggac atgggcaaag aaagaggt 418

<210> 4273
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-B4

<400> 4273

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aaatagaaaa agatatgaga gagcttttta tgtatctatt tcttcttttc ttagttctat 120

gtgtcaaatc tgtttattct actccgacaa gagaacaatt ccaaaattgc ttgtccacaa 180

aacaattcaa ttctaccctc aaaaacccta taaatctcac cactcataca ctagattccc 240

gagttcacac cgacttttcc gagtcttcat ctccaaattc taagtttcct caacttgaat 300

ttcacaagct tgaagccgat tctcatcgtt aagccaaaat ccgaatccga aataaaacaa 360

t 361

<210> 4274
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-B8

<400> 4274

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agtagcagaa gcttcgatct cagttattat aggcttgtct tgaanangag aggcttgttt 120

cantcngatt ctgcattaac aacgaactca gcgactttga aaagtgatca acgacttggt 180

caacggttct gaaaagaagt ttttcaaagc ttttgctaag tcaatggacn aanatgggga 240

gagttaaagt gaagactggc tcagctggtg tgatcaggac acggtgttct gtcgctggaa 300

gttaagtaag cttcagggtc ggaatgtggt gtgttatggt caattgttgt tttgtgtga 359

<210> 4275
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-C1

<400> 4275

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tgttccacaa tctttccttc gttactctct ccgtatgcga aaccctagcc gcgtgtttgt 120

agattcaaag gattccgatt cgatcttatt gtccgatctc ggtgtttctc gtttctctac 180

tgtgattatc catgtcctgc ttttgggtgg tatgcaagcg gctccgccga agcctcgtct 240

tgatttcctc aattctaagc ctccgtcaaa ttatgtagcg ggtttgggtc gtggtgctac 300

tgggtttact actcgatctg atattggtcn tgctcgtgct gctccgggat cttcctgatc 360

ggtctgcttt ggctacagcg gntgctccaa ggagtaggtc gttggagcan ggaagc 416

<210> 4276
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-047-Q1-E1-C10

<400> 4276

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tcgatttctc aaggcaaaac cctaaacaag gagcaagaag aagtcctccg ctctaaacct 120

gccgtcgtca tcctaatcga cgagcttgaa aagatccgtg ctcctctctc cgccgctgtg 180

acagaggaaa tcagcctcgc tactcagctt aaccgtgctt catccgatca aaccaccgca 240

tctgagcaaa aggaagtcac tgatatcccg caggaagtta gcggcggcga tgatggcgct 300

aagttggagg atctggtgaa tttcctctac tttggttcac tcttcgacgt caagtcacag 360

aacgagttca cttcgataat gttgaccaag gactcatgan gagaattgct gct 413

<210> 4277
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-C11

<400> 4277

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ttaaagccac cggtgatggt cgaggagacc acagaagaag aagaggagaa gaagagtcgt 120

gattgtggac gtcaagttgt gagtttaatc ggagatttat tccggcgatt acacggctct 180

aagttggtga agagcttgaa tctctgtagt atcaacgaga gtaaagattc gatttcaatg 240

gagatcaata aatcattcac tgacatggaa ggtgttcagc tttccagcaa agtcggttgc 300

gaagaatcca agaatctttg gatactctga gctttatatc ggaactaatg gtttcagcga 360

cgaactgatc ctcggaagcg gcggtttcgg ccgcgtttac aaggcgtttg ttacc 415

<210> 4278
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-C5

<400> 4278

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cgattgctat aatgtcgatg tctcggctcg gattgttgtt gttcgtcgct atattgctcg 120

tcttgcttca gtcttccact tgtctgatta gttctccaag ttctatcatc aatccttcta 180

aagtcaaaca ggtttcgtcg aagcccaggg catttgtgta tgaaggtttt ttgacggact 240

tggaatgtga tcatctaatc tctcttgcga aagagaatct gcagagatct gcggttgctg 300

ataacgataa tggcgagagt caagtcagtg atgttcgtac cagctccggc act 353

<210> 4279
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H2

<400> 4279

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atactcgctg agagaatgca tcgattacca caagaatatc tcnaggagtt aannaatggt 120

cttaaggnta tccttgaang aantggtgcn cagcctatan atgagtttat gtttctgcag 180

nagtttgtcc atacgagatc tgatttaact tcaaanacac ttgtcatggc tcaccgagtg 240

cagcttgaag ttcttgtggt tataaacact ggnatccaag cattcttgca cccaaacatc 300

aatctctctc agtcatcact catcgagatc tttgtgtcaa ggagatgcat aaacataact 360

tgccaaaacg aactcccggc tgatggttgt ccctgtgaga tattcgctaa ttaggaaagg 420

cttctgcaac ctgtgcatnt ttgtganatg ttancnaagt tttganttt gcactccaac 480

anatggccc 489

<210> 4280
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-C6

<400> 4280

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ctgcggcttg ttatcctttg tctcttcttg cattaccgta taacaaaccc agtgccaaat 120

gcctttgctc tatggctggt ctctgtgata tgtgagatct ggtttgcctt atcctggatt 180

ttggatcagt ttcccaagtg gtttcctgtg aaccgtgaaa cctacctcga caggcttgct 240

ttaagatatg atcgtgaagg tgagccatca cagttagctg ctgttgacat tttcgtgagt 300

actgttgacc ccttgaagga gccacccctt gtgacagcca acacagtgct ctct 354

<210> 4281
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-C7

<400> 4281

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tgaagccata accgcgatta atagctctag ctacgatctg gtactcatgg atgtgtgcat 180

gccggtgctc gatggtttaa aagctacaag actgatccgt tcgtatgaag aaactgggaa 240

ctggaatgct gcaatagaag ccggagtaga tatatcgaca tcggagaatg aacaagtttg 300

tatgcgtccc acaaaccggc tgcctataat cgcgatgacg gcaaatactt tagca 355

<210> 4282
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-047-Q1-E1-C8

<400> 4282

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ctcagcagtt gacatgagca atgatgtttc agtgacgggt atccagatta agagtcgcca 180

ggcacaaccc tcaggttata ccaatgacta tatagcgcag ggaaatggtc caagaaggct 240

gcgtctgcaa agtaacttta atggcattaa cacgaagaat cctgagcttc aagctataaa 300

gagagaggct gaggacacgg ttggagaaag tataaagaaa aaggtgtgga aagctaatg 359

<210> 4283
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-F10

<400> 4283

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ggatgagttt atggatctta gaccagtgaa gtacacagag cacaagactg ttatcagaaa 180

gtacactaaa aagtcgtcta tggagaggaa gaccagtgtt cgtgactcgg ccaggttggt 240

tcgggtctca atgacggatc gtgacgccac tgattcatca agcgacgagg aagagtttct 300

gttccctcga agacgtgtca agagattgat taacgaagat caagagtcga gcctagcaag 360

ctcttccacc ggcgacgtct ctgcttctcc gacgaaggac cggnaaagaa tcaacgtt 418

<210> 4284
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-F2

<400> 4284

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gaataatctc cttctcccgt tgaatcgggt cgaaatagtt gaactttaag ccaaacccta 120

gcttgaggag gaagaggaat ggtcggcgtg atgaacagat tgaggaatct ggacgcttac 180

cctaaaatca atgaagattt ctacaggcgt actctttctg gtggtgttat caccctcgcc 240

tcttctattg tcatgctaat tctcttcttc tccgagcttc agctgtacat tcacccggtt 300

actgaagact cagcttcgtg ttgatacatc aagaggagag aagctacggg attaattttg 360

atgttacatt ccctgcgctt caatgttcga ttattaagtc ctgattccat gggatatcag 420

tggggagaag caccttgatg tgcgacatga 450

<210> 4285
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-F4

<400> 4285

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aactttcctg ggtccaatat ttctggacaa atgggacgtg gaatgccatc tgataagact 180

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gagcaaaatg actattccca gaactttgtg gatactggaa tgcggcccca gaatttcatt 300

cgggagctgg agcttaccaa tgtggaagac taccccaagc ttagaagagc tcatacagaa 360

gaaggatgag attgtatcta attctgcttc tgcaccaatg tatctgaaag gcgacttgca 420

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ccancatggg 490

<210> 4286
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-F5

<400> 4286

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catcaggagg tgatccttgt ggccaaaact ggaaaggcat aacttgctct ggctctcgag 120

ttacacaaat aaagttacca agtcttggac tttctggatc acttggattc atgcttgata 180

aattgacttc tgttactgag tttgatatga gcaacaataa ccttggaggc gatttgcctt 240

atcagcttcc tccaaacttg gagcgattga atcttgctaa taaccagttc actggatctg 300

ctcaatattc catttctatg atggctcctc ttaagtacct caaccttgct cacaaccagt 360

tgaagcagct agctattgac ttcacaaaac tcacctctct ctctatattg gacctctctt 420

ccaatgcttt tatagggtc tctcccaaac acttgtagct ctcttacgag tgcaaaatca 480

<210> 4287
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-F6

<400> 4287

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cagaatgcaa ggccaaagaa cccttccact gcgataatac tcatgcattc aaccgtagtg 180

gatttcccaa aaatttcact tttggtgcag ctacttcggc ttatcaaatt gaaggtgcag 240

cacatagagc acttaatgga tgggactatt tcacgcatag atatccagaa aaagtaccgg 300

atcgtagttc agcagatctt gcttgtgatt cgtatgatct ttataaggga tgatgtcaaa 360

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accaaaggga agactgactg gg 442

<210> 4288
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-F9

<400> 4288

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taattatctc tccggagagt taccagtcgc cggaggtgtc tctgttaatc ttggtcagat 180

cagtttatca aacaaccagc tctcaggtcc attacctccg gcgatcggga acttcaccgg 240

cgttcagaaa cttcttcttg atggaaacaa gttccaaggt cctattcctt caagaggtag 300

ggaagcttca gcagctctcg aagattgatt tcagccacaa cttgttctcc ggtcgaatcg 360

cgccggagat tagtcgttgc aagctcttaa cgtttgttga tctgagcana aac 413

<210> 4289
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G10

<400> 4289

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ttcgttctca ttaacgccga tgagagtgcc agaatacgat cagtacaaga actgagtggg 180

caaacatgtc aaatctgtgg agatgaaatc gaattaacgg ttagcagtga gctctttgtt 240

gcttgcaacg aatgcgcatt cccggtttgt agaccatgct atgagtatga acgtagagaa 300

ggaaatcaag cttgtcctca gtgcaaaact cgatacaaaa ggattaaagg tagtccacgg 360

ggttgatgga gatgatgaan gaaagaaaga agacattgat gatcttgagt atgaagttt 419

<210> 4290
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G11

<400> 4290

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tctcctctct tggggtttat cttagattct ccaaaaaagt ctctctcttt ccatggnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn gatgaaggtt catatattgg agtaaacata gggactgatc tttctgatat 240

gccacatcca acacaagttg ttgctctact aaaagctcaa gaaatccgac atattcgatt 300

atacaacgct gatcccgggt tgttgattgc tctagcaaac actggtatca aagttataat 360

ctccattcct aatgaccagc ttcttggtat angtcaatcc aattcaaccc 410

<210> 4291
<211> 480
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G2

<400> 4291

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tancctaaat ttcaacgttg attccacttt gtcaagtttg tatctttccc actttgattc 120

cgatttgtta aagatttgca gattaaaagt tttcttttg aagaaatcca tgagtgccca 180

aatggaagaa ccagagactc tcggnaaaag aaaagaatct gaaagttcaa aacttcgttc 240

tgatgaaact ccgacgccag aaccaagaac gaagcgtaga agtcttaaac gtgcttgtgt 300

acatgaagtt gctgttccta atgattacac accaacgana gaagagacga ttcatgggac 360

gcttgataat cctgtcttca atggagacat ggccaagact tatcctttta agcttgaccc 420

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<210> 4292
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G3

<400> 4292

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gaatttgccc ctcaagtttt attttaattg ctaaaatggc tggaacccta gttaactccg 180

ccgggagatt ctcaccggga aattgtattc ttcctcaaca gagaacagcc agattctaca 240

gcggaaccgc gagatttccc accggagctc cgtcgtttaa ggcttcagct cagacgctta 300

acgccgagcc agctgtaacg gaatccgttc gtcggagagt ttctagcctc tacgaattac 360

tgaaagtgaa tgaaacggcg tccttgacgg agatcaagac ggcgtacgga gcttagctaa 420

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ttacg 485

<210> 4293

<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G4

<400> 4293

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gtccgtgagg cctctgctct gcattgctgt ctgcgagctt gtgggaggcg acgaggctac 120

tgccatgtca gctgcttgcg cggtcgagat gatccacaca agctctctca ttcatgacga 180

tcttccgtgc atggacaatg ccgacctccg tagaggcaag cccaccaatc acaaggtatt 240

tggagaagac atggcggttt tggccggtga tgcgcttctt gctttggcgt ttgagcacat 300

gacggttgtg tcgagtgggt tggtcgcttc cgagaggatg atccgggcag tggttgagct 360

ggcaagggcc atagggacaa aagggttagt ggcaaggcaa gtggttgacc taagcagcga 420

aagattgaat ccacacgacg ttggattgga gcgtctanag ttcatccacc tccacaaaac 480

ggcggcgttg ttg 493

<210> 4294
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G6

<400> 4294

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tggccgccat ggtgaagtac tctcaagagc ccgataatat caccaaatct tgcaaggcga 120

gaggagccga tctcagggtc cacttcaaga acactagaga aacagcgcac gccataagga 180

agctaccatt gaacaaggcc aaaaggtact tggaagatgt catagctcac aagcaagcta 240

tcccttcac ccgtttctgt cgtggtgttg gtcgtaccgc tcaggcaaag aacaggcatt 300

cgaacggaca aggtcgctgg cctgctaaat ctgctcaatt cgttcttgat cttctcaaga 360

atgctgagag caatgctgag gtcaaaggtt tggatgtcga tgccctttc atttctcaca 420

tccaagtgaa ccaagcaagc aaaacagagg agaaggacat atcgtgctca tggaagaatc 480

<210> 4295
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-G9

<400> 4295

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ggccgggaac gattgggtaa acagttactt agaggcgatt ctcgacgtcg gtcagggtct 120

tgacgatgct cgctcttctc catcacttct tcttagggag agaggtcgat tcactcccag 180

ccgttacttt gttgaggaag ttatcactgg ttacgatgag actgatcttc atagatcctg 240

ggttaaggct gttgctacga ggagtccaca agagaggaac acgaggttag agaatatgtg 300

ttgggaggat ctggaatctt gctcgtcaaa agaagcagca tgaggaaaaa gaagcacaga 360

ggctggctaa gcgcangctt gaacgtgaga aaggtcgcag agaaggcaac ag 412

<210> 4296
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H1

<400> 4296

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gcttttgctc atgagcttgt acctaccatt acttgcactt catctaatgt tgtacagacg 120

attctgcagg cgtttgctca aatgccagag ttaactgttt ggtatggtcc tgattcttac 180

atgggagcga atattgtaaa gttattccag cagatgacat tgatgactaa tgaagaaatc 240

gccaatattc accctaaaca cagcttagat tccattaaat cattgcttcc ccgtcttcac 300

tatttccagg aaggaacctg cattgtacat catctattcg gtcacgaggt agtggagaga 360

ataaagtaca tgtactgtga cgcctttctt acagcacatc ttgaggttcc aaggtgaaat 420

gtttcactag caatggaagc aaaagaaaag agagattggg tgttgttggg ttaacacaan 480

<210> 4297

<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-F1

<400> 4297

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ctcgatcgat caattcgttg ttcgtctaca tcgattcctt cagaacctag tgatcctctg 120

ttttggttga ttcgattaag ctaaccatgt cttacaaacc aagcgcgaag actgaggttc 180

gccggaacag gtataaagta tctgtggacg ccgatgaagg tcgccggaga cgggaggata 240

acatggtgga gatccggaag aacaagagag aggagaactt gcagaagaag cggcgtgaag 300

gttttaatcc ttccatggcg tcacagccag ggcaggattt ctcctcgtct ctccctacgg 360

aaacgagatt ggagaatata caacaagatg attgctggag taatgtcaga ggatagaaga 420

cttacaattg gaggcgacgg ctagcttcan gagattgctt tcaattgagc gaaatcctcc 480

atcaatgaag 490

<210> 4298
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-C5

<400> 4298

acgcgtccna aaaaataaaa gaatggcgtc tctgtgcctt tctctccacc aaaccctaac 60

taatcccctg tcggctccca gatgcagacc actcagcctc tccttccccg gatcctcaac 120

cttctcgatc cgcccctcta gcagacgcgc aaccgccttg acgacccgcg cctcctacac 180

cccgacgccg gcgactgagc gcgtgatttc gatagcgtcg tacgcgctgc cgttcttcaa 240

ttctctgcag tacgggcggt tcctgttcgc gcagtaccca aggctgggat tgctgttcga 300

gccaatcttc ccaatcctga acctgtacag atcggtgcgt acgccaagct tcgtgggatt 360

cttcggggct gttacctggg gaattggtga nggaacacga agttttcagt aggtaacgtt 420

ganggttcaa cggcgaangc aaggc 445

<210> 4299
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-C9

<400> 4299

ttgttcaatc tcgtatcaaa gctctcaaga agatggatga attattggaa gtggtggaag 60

aagctgaatt tagaatgcaa ttccctgaac ctgataagat tgatggagca atcatcactt 120

gtgataaagt gaaattcggt tatgataaag ataatattct attacaagat gttacactta 180

atattgatat ggattcacgt gttggtgtgt tgggggccaa tggggttggt aaatctacat 240

tacttcatct tttgattggt aagattcaac cattagaagg tacagtgata cgaaattcta 300

gtgcacggat tgcaactttt gcacaacatc atatggaaca attaaattta caacaatctg 360

cccttgatct cttcattgaa ctctttccta aaaatcaacc tcaacttctg gcgt 414

<210> 4300
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-D10

<400> 4300

aggcacttgt agcacgtcgt ctctcctttg gtttctctcc ttatattcga cgagtgactc 60

cgattggatc gctatttcgt catttctcac tttccaaaaa gaaaaaaacg aatctctctc 120

caccatcatc acctttctcc ttcacttgcc tcagatctgg ctgcgatttc aaatcttcct 180

tagtttctct cgcatcgctc ggccgttgac ggtcccgtcc tttccgtgga tctgattctg 240

gccccggatt ctctcgccgc gatctgaggt caaacatggc ggctgctaac gcgcccatca 300

ttatgaagga ggtcctaacg cttccgagcg ttgggatcgg tcaacagttc atcaccttta 360

caaatgttac tatggagtcc gataagtaca taatgtgtac gagagacggc accg 414

<210> 4301
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-D11

<400> 4301

ttatttgtca tcattaattt taacgacgag acgtattact ctttgcctga ctctctttct 60

ctctctcccg gcgacgacgg tttagagtcg ccatagatgg atcataactc gccgaaatct 120

cgtcggagcc ggaaaccgga gcccaaacct gacatatact ccactttcgt agtccactcc 180

gactctgatt ctgatcaagg tcgagatcga gacaaacgta aagccaaacc tgaggaaaga 240

cgaaaatgtc gatttatacg ctacaatggt ctacaaaggc gatagtgacg gagaaggaga 300

ggaagatgat gatgacgatt ctatgcttcc tcctcttctc aagcgtcttc ccaaggattt 360

cggaggcggg cgcgtcgctc gattacgacg acgacgaacg gtgatgaatc ctggaga 417

<210> 4302
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-D12

<400> 4302

cactaaccct aaaaaaagta actctctcac tcactcttct tcatcatacc gaaaaaaatc 60

caatggcttc tttggaaaat ccagcaatcg attcttcaag cgaatttgag agttcttctg 120

aagagatctc ttcttctaaa gaaagcaaac ccaaagaagc tcccgtcact gttccgtcaa 180

caaaaaccct aaactctcct tccgccgccg tggcagtttc tgatgactca gagtcagaga 240

agcagtcatt cgtcttaacc aggcggaaga agaaagaagg tgctgctgaa tcaccggcag 300

tgaagtcagg gaagaaagaa ggtgctgctg aatcaccggc agtgaagtca gggaataacg 360

aaggtgctac tgaatcaccg gcggtgaagt caggggaaag aagccaanct 410

<210> 4303
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-D4

<400> 4303

ttaccctgcc gntaccggtc canaattccc ggntcgaccc acgcgtccgt gtctctcttc 60

cctcgtaaac atcgctgtct ctaaagatgg cctctctctc aggcctatac tcttcttctc 120

catctctcaa acctgccaaa aaccattcct ttaaagcatt gccggcgcaa tctcgagatt 180

ccttctcttt cccacatacc tccaaaccca ccaatctacc gttgactctc tcctcggctc 240

gttctgtggc acgcgacatt tctcatgcgg attcgaagaa agagcttctt aaggatccgg 300

atgcgttgtg gaagcgatac ctcgattggt tttatcaagc aagaaagagc ttgggttgta 360

tctgggatat taatcgggtc ggatttaccg atgagtttgt ggctgaaatg gagccaaggt 420

ttcaaagctg cgtttaaggc tatggaggat nttgaaaaag ggtctatagc gaatcctgat 480

gaaaggaaga a 491

<210> 4304
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-D6

<400> 4304

acgcgtccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnngata atgggagcct atgaaacaga aaaaccaact aaagatgcgg 180

cggctctaga gacacagtcg ccggaagatt tcgatcaacc atctccgctt cgtaaaatca 240

tctccgtcgc ttccatcgcc gccggtgtac agttcgggtg ggccttacag ctctctcttc 300

ttactccgta cgttcaactc ctcggaatcc ctcacaaatg gtcatctctc atttggctct 360

gtggtccagt ctccggcatg attgttcaac caatccgtcg gtttcacagt gaccgatgta 420

ggtccaaatt tgggtcgccg 440

<210> 4305
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-D8

<400> 4305

ttgttgttac ttcctttggt ttcttcaatg gaaaaagaag agctcaacaa attgaatcat 60

ctctctctcg tctccaatgt ctgcaacgaa ttggaaacgc atctaggatc tgcagaaaaa 120

gttttggctg agttcattat cgatctaggt cgtcactctg agacagtcga tgaattcgat 180

aagaatctta aggaagcagg tgcagagatg ccggattact tcgtccggtc gttgttaact 240

acaatccacg gtatttatcc tccgaagcct aagtcggaga agaagaaaga ggaaggtgat 300

gatcagaaat tcaaaggctt agcgattaag gatactaagg gataaagtta aggagctcga 360

gaaagagatt gagaagagaa actgaggagc gacgggagag aagaggatcg aaatanagat 420

<210> 4306
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-E1

<400> 4306

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tttgtaaatt cagaaaacgt tcccaaatca gttatgctga agaacaaaag gccccgtcaa 120

gttagtgaag tatctgcact tgatgtaggc ataacagctt caaacctttg gagctctgtt 180

ttgacgcaac cccatgagtt tgcacaatcg tgcatcacct cacagtggag ttctcctcag 240

caatgtcatc gtgatgcaaa tgaggatgct aagaaatctg actggctaaa taactcctac 300

tcctgtgtca aatgtagcaa aagactcaac actgaacgac caaatggttt ccccagtccg 360

aagcagaaga agcctgagac aacccgctaa ttatagatta tttgggaatt gatctgatga 420

<210> 4307
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-E4

<400> 4307

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ttcaagaaca aagagagaga gagagagaaa atttaatggc gttagcgaat aacttaacgg 120

cgatactcaa cttactagcg ttactctgtt ccataccaat aacggcgtca ggtatatggc 180

tagcttcaaa gccagacaac gagtgtgtca atctcctccg ttggcccgtt gtcgtcctcg 240

gcgttctcat cctcgtcgtc tccgccacag gcttcatcgg cgcctacaag tacaaggaaa 300

ctctactggc ggtttacttg tgctgtatgg cgatattgat cggacttttg ctggtggttc 360

ttatatttgc attcgtcgtg acccgggccc gatggatcgt atcgggttcc gggtanaggt 420

tataaagagt ataggcttga anggttctcg aattggctta aggagaacgt tgtggattcc 480

aaagaactgg gga 493

<210> 4308
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-E5

<400> 4308

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gaaataattt gctctttagt tactgacgca tgtattcaag tctgcccaaa gaatccaacg 120

aatttcaatg tggataatgt tcgtgtttcc aagcttttgg gaggaggctt gcacaattct 180

tgcatagtcc gtggtatggt cttgaaaagt gatgctgttg gtagcattaa gcgaatggag 240

aaagcgaagg ttgctgtatt tgctggtggc gttgatacca ctgcaacaga gaccaaagga 300

actgtcctca ttcatagtgc tgagcagcta gagaactatg caaagacaga ggaagctaaa 360

gttgaggagt tgattaaagc agttgcggaa tcaggagcca aagtcattgt taatggagga 420

tcaattggag aaatgggcat tgcatttctg tgagcgctac aaagataatg gtattgaaa 479

<210> 4309
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-E7

<400> 4309

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nnnnnnnnnn nnnnnnnnnn nnnactcatt ttctccgcag agaaaataca atccatggct 120

tctactttta ggctctctat tagcttcctc actctcatcc tcttctctct gtgggtagtg 180

gaggcacaca cgtctagaaa gttgatatca atcaaggaaa aagaaggtca agatattagt 240

catttgctca aagatggtga atttgatgac ccttcgttgt acatgtattt cacactcaat 300

gatctcaaac taggaaccaa attgctgatt tacttctaca aaaacgatct tcaaaagctt 360

cctccacttc tcacaagaca acaaggccga tctcattcct ttcactaagt caaagcttga 420

cttccttctc gaccact 437

<210> 4310
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-E8

<400> 4310

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gaagtcgaat gaatagagct actgtggctg gatactggaa ggcgacggga aaagaccgta 120

agatcaaatc aggaaagact aagattatag gtgttaagag gactctagtg ttttatacag 180

gtcgtgctcc taaagggaca cgaacttgtt ggattatgca tgagtatcgt gctactgaga 240

aggatcttga tggaacaaag tctggccaga atccgtttgt tgtttgtaag ttgtttaaga 300

agcaagatat tgtgaacgga gctgctgaac cagaagagtc aaagtcatgt gaagttgaac 360

cagcggtatc gtctccaact gttgtggacg aggttgaaat gtctgaggta tctcctgttt 420

tccctaaaac agaagagac 439

<210> 4311
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-E9

<400> 4311

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cgccattaac gatgcggttc acaagcttca gctctatatg ctcgaaaata ccactgatca 180

gaaccagctc ttcgcggcga ggaagttaat gtctcgatca gattacgaag atgtcgtcac 240

tgaacgagca atcgctaagc tctgtggtta tactctttgc cagagatttc tcccttccga 300

tgtttctaag aagagggaag tatcggattt cgttgaagga ccataaggtt tacgatttac 360

aggagacgag caagttttgc tccgctggtt gtttaattga taagc 405

<210> 4312
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-C4

<400> 4312

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agaaccgacc ttttgcttag tttctttcaa gtctccaatc aaacaaccat gagagaaatt 120

gtgacgattc aagttggaga attcgcaaac tttgttggct ctcacttttg gaatttccag 180

gatgaattgc tcggattggc tagtgaccct gaaagcgatc caatctttag aaaccataat 240

ctcgacatgg atgttctcta ccgctccggt gagacccagc agggggttgc tacatacact 300

cctcgtttgg tttcagtcaa cttaaaaggg gcactangga ccatgaagct cacgcggtac 360

actttacaac gaaaggttct tcatcaagat naagattcct tcagcaancc tggtttgggc 420

gatgttgata ctcaagggat tctggaanct ccganaagag gaaccttggt tcctgcaana 480

gtttggtacg aagggaagaa caatgtt 507

<210> 4313
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H3

<400> 4313

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agctcaagag attaggaaag gtgctgcttc tgttgatggt gttgaagcca tactctggca 180

ggtacccgaa acgctccaag aagatgtgct ctctaaaatg agtgcaccac caaagagtga 240

tgctcctatt atcaccccaa acgagctcgc tgaggctgat ggatttatct tcggcttccc 300

aacgaggttt ggtatgatgg ctgctcagtt caaggcattt ttagatgcca ccggcggcct 360

ttggaggact cagcaactcg ccggtaaaac cagccggaat cttctacagc acanggtccc 420

aaggtggtgg tcaagaaacc accgcattaa ctgccantac tcaactggtt catcacngga 480

tgatctttgt cccnattggg cta 503

<210> 4314
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H7

<400> 4314

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tgaaaatggc atcaagaaaa acaacatcct tgcttaatca tcttcttctt cttggagctt 120

tgactctttt gagcagtttg gtgatagtga aaggagaaag cccttacaag ttttacactt 180

ggactgtgac ttatggcatt atctctcctc ttggtgttcc tcaacaggtt attctcatca 240

atggtcagtt tcctggtcca aaacttgaag ttgtgaccaa cgacaacatc atcctcaacc 300

tcatcaacaa acttgaccag cctttcctct tgacctggaa tgggattaag cagaggaaga 360

actcatggca agagggtgtt ttgggaacaa actgtccgat tgaaccanac tcaaacttca 420

cttacaaatt ccaaaccaaa agatcagatn ggga 454

<210> 4315
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H9

<400> 4315

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atctgctggt cctttgttaa ggaaagatca gaagccccgg aaacgttcag cttcagattt 120

gctaagattg atcccatccc tccaggtagt ggaaggtgtt gctagtccca ataagagaag 180

aaaaacctct gaactggtac agagtgaatt agtgaagagt tggagccctg catcacagac 240

cttatccact gccgtgtcaa catcaacaaa aactatagga tgcagctatg ggaatctcat 300

agctgaagca aacaagggga atgcaccttc aagcgttttt gtttatgctc ctctccatgt 360

ggtcaagcat tcttcgttgg tccataaagc atgccaaact aactagtcag atggaggna 419

<210> 4316
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-A10

<400> 4316

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gctgttgcac tggcggttgc tgcaattcca gaaggtctgc cagcagttat taccacatgt 120

ttggctcttg gcactaggaa gatggctcag aagaatgctc tggttaggaa gctacccagt 180

gtggagactc ttggatgcac caccgtgata tgctctgaca aaactggaac tcttacaacc 240

aatcagatgg ctgtttcaaa gctcgttgct atgggttcga ggatcggaac tcttcgatct 300

ttcaatgttg aggggacctc gtttgatcct cgagatggaa agattgaaga ttggccaacg 360

ggtcggatgg gatgcaaatc ttcagatgat tgcaaaaatt gctgccattt gcaa 414

<210> 4317
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-A3

<400> 4317

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gtcnnattac ggcatcantc acctataaat ttcgccgctg ggtttaattc tctattcatt 120

cagaaccaaa aaagaagaaa ccttttttgat tctctttgcg atttctttgt tcaatctctt 180

ctcagattgt gtgaatcggg tttaaatcgg ggttttaggg tctctgtttt caaaagggta 240

ccaaaaagtt tggagcttta ctgtagaaag atttgatttt tcgttgaccc actccgagat 300

tttcggatac aaatcacggt tttagggttt ttgttggaat ggaagaggat tatcaacagc 360

cgaggtttac gantgggtag gcaatcatca atggcgccgg agaagattcc ggagccgtcg 420

gttcactcan gaagaagang tgtttgaagg atggagaaga aatcgatggt ggngtgagac 480

taaaggtat 489

<210> 4318
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-A5

<400> 4318

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tcaggtcttg aagaagagca ctcttttaag ctgtgtgaaa cttgcgccgt tcctgtgaag 120

aactactttt ggcattgcag atttcagaga gctgtgattt gtgctatctt aaaaacggac 180

aagttctatg ttgtggcgga tgagatgagg gatgctatct gggttgatga attttctgaa 240

tgcctgtctc tggccacggt cagatcagca ggctcgttct gcctcaagat tctggtggcc 300

gccaagaggg tttgctctgg gttcaaagaa cccgggccag cacgtctttg gtgacntctc 360

catgggcgtc 370

<210> 4319
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-A8

<400> 4319

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cctacgccgt cactctcctc ccggtgcgca cattagcaac actactcccg acgaatggag 120

acgacgacgc cgcagtcaaa atcaagtgtg tcccaccgac cgccgttggg aagagaagac 180

tggtggagtg aggaagcgac ggcgacgctg gtagaagcct ggggcaatcg ttacgtcaag 240

ctgaaccacg gaaatctccg gcagaatgac tggaaagacg tcgccgacgc cgttaactct 300

agacacggtg ataacagccg taagaagacc gacttacagt gtaagaaccg ggtcgatact 360

ttgaagaaga agtacanaac angagaaagc taaactctcg ccgtcgactt ggcgtttcta 420

taaccgcctc gatgttctaa t 441

<210> 4320
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-B2

<400> 4320

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tctagtacca tgcttgttca ctatgacaaa gggactccag cagttgctaa tgagattaaa 180

gaagctctcg aaggaaatga tgttgaagct aaagttgatg ccatgaagaa ggcaattatg 240

cttttgctga atggtgaaac cattcctcag cttttcatta ccattataan atatgtgctg 300

ccttctgaag accacaccat ccaaaagctt ctgttgctgg tacctggagc tgattgaaaa 360

gacagattcc aaggggggaaa ggtgttgcct gaaaagattt tgataatgcc aagaatcctc 420

cgnaat 426

<210> 4321
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-B7

<400> 4321

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cttttgatcc gagacctatg agagccgtta actcaagcgg cgttgtagcg gccatcagcg 120

aggatttggt taaaacgctg cgtattanca ctgtcggtag aaaacaagag aaggaggaag 180

aagaggagaa gtcggtgaag tttaaggtga gagcagttgc gacggtgagg aacaanaaca 240

aagaggattt taaagaaact ttggttaagc atttggntgc ttttactgat aaaattggta 300

naaacgttgt cttggngctt atgagtaccc aaagttgatc caaatacgaa tgatccaaan 360

aaagagtaaa gctgcaattt tgaaaagatt gggcaaagaa atcaaattca aaagggcgga 420

aagagtccaa ttacacnggc c 441

<210> 4322
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-B8

<400> 4322

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aacagagtaa atttggctct tatgcacctg tcgtgtgaat cctgatctcg ctttagatnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncaagnttct 300

ctctagcttt tgctttcgtt tccgctgaga gaagaggaaa atctctgagg ttaagtacag 360

acgaaacgcg ggaaaatgaa tcaaggtttc ttccttaaag ctatcaattt tcnaggggga 420

atctgatcaa ntaggttat 439

<210> 4323
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-C1

<400> 4323

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acacttctct ctctctttct ctttgctatt catcttctac agtttcttaa aaattatacn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnca ggatttgttt tttccgtttg aggtaaagca gctttgcagt 240

taaagaaacc ttgagtatcc aatgtccccg gaagaggagc tacagagcaa tgtatcggtg 300

gctagttctt cacctactag caattgcatc tccaggaaca ctctaggagg acttaaagaa 360

gcataactac ttgggtctct ctgattgttc ctccgttggg aaagctctaa tctctctccc 420

cttgctgaag atgacaaagc tactatcagc ctcaagggta cggagctgac acttggtcnt 480

cct 483

<210> 4324
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-C10

<400> 4324

ccgcccacgc gtccggagac tcataggatc ataaccagga cgtgcaattt cagcagcgat 60

aatacttgga gcaacgatga gtgcaatgag gccgtagcag aagttctcaa gcagtatcac 120

gagatagata tctatagcat ctatacctca gtttgcatag gagattctgc gcgatcgtct 180

tactttgatt cagcgcaatt caaaacaaat tctcgcatta gctccaagag gatgccaccg 240

aggctcatgg gtggatatga tccatgctta gatgattacg cgagagtatt ttacaacaga 300

gcagatgttc agaagtctct tcatgcgagt gatggagtta atctcaagaa ctggagcatt 360

tgcaacatgg agatctttaa taattgggac tgggtcaaaa cccgtcggt 409

<210> 4325
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-C12

<400> 4325

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gcctgcgact caaccgcaac agcaacatga gcagaagaag caatcagaga ctgtttcatc 120

tgctgaagaa gatgctttga agtggaacac cgattgcgtt tactttctcg cttctccttt 180

aacctgcaag aagggacctg aatgcgagta tcgccacagt gagtatgcgc gtatgaaccc 240

gagggattgc tattattggt tgaatggaaa ctgtttgaat cccaaatgtg gatttcggca 300

tcctcctttg gagggattgt tgggaaatca aggaggtgct cctgctgttt ctgtacagcc 360

aatacatgca accgcgcagc atcctagtgt tgcaaaaaca acccggttnc a 411

<210> 4326
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-C2

<400> 4326

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ccactgatct atctacttag gtcttctcta acaatacttg taattttctt tctttttgct 120

tcttccgtca ctacatctat ggccgctgag tcttctaacc ctcgcaccgt cgaagagatc 180

ttcaaggatt ttagcggtcg tcgctccggt tttcttcgag ctctctccgt agatgttgac 240

aagttctact ctttatgcga tccggaaatg gagaatctgt gtttgtacgg acacccgaat 300

gggacatggg gaagtgaatc ctccaactga ggaagtgcct ccggagctac ctgagccaac 360

tccttgggna tcaaattttn gctagaagat gggatgcaac gtaaaagaat gggtcccctt 420

antttggctg tccacaagtg atttgtttgg gtactcc 457

<210> 4327
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H2

<400> 4327

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gtatcaaagg atcggatgat gagttcgatg gaggaacttc gcggaggaaa ctataatctt 120

gagtcatact caaacgttca tacttggctg agcagtgtgc ttacaaacta catgacatgt 180

ttagaaagta ttagtgatgt ctccgtcaac tctaagcaaa tagtcaagcc acaactcgag 240

gacttggttt ctagggcaag agtggctcta accatctttg tctccgtctt gcctgccaga 300

gacgatctca aaatgatcat ttccaatccg cttcccgtcg tggctaactg ctcttgacag 360

aaagctttta gaatcctctc ccaagacact taaaggtgac cgcgaacgtt gtggtggcaa 420

aaagacggna accgggaaag ttcaaaacag ttgaatgaag gaantggcgg gcaacaccgg 480

ngaacagcaa 490

<210> 4328
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-H5

<400> 4328

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gcataccaat ggctgaaacc tggcactttt atttgggtga acccccttact gtagtggaac 180

tctacgatga tgggaagttg aaattcacat gtcttggtcc tgacttgttt gaaggtgatc 240

agaagcctca gtacacggtc cctccaaacg tctggtttgg ttcgtttcct acaaaggatg 300

ttcatttttc tcaagacggg gctctgctta aagctgaggc tagagactct gagaaccatt 360

tctctcttgt tggctgcacc tgcgctcctg ctttccagtt cgaggacttt gagctcgcga 420

aacgctctga tctcttatca aggtttccgc aacacgaatc actcatcaca atgctatcct 480

taaccggggg t 491

<210> 4329
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-H6

<400> 4329

ttctttatct gagatggatg atcttgattt gactcgagct ttggataaac caagattgaa 60

gatcgaaagg aagagatcgt ttgatgaaag atcgatgagt gagctatcga ctggttacag 120

tagacatgac ggtatacacg attcgccgcg aggtagatcg gtgcttgata cgcctctttc 180

ttctgctaga aactcctttg agcctcatcc tatgatggct gaagcttggg aggctttaag 240

aaggtcaatg gtcttcttcc gtggtcaacc tgttggtact cttgccgcgg ttgataatac 300

taccgatgaa gtcttgaact atgatcaggt gtttgtgagg gattttgtac cgagtgcgtt 360

ggcgtttctg atgaatggag aaccggatat aagtgaaaca ttttttgcct aanaaa 416

<210> 4330
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-H8

<400> 4330

tgttctcaaa caccaaaagc aaaacatcac aaaagaaaag agactaatca agaagagata 60

tcatcaattg aagctgtttt cttgagtaga gatggcgaac catagaatga gcgaagctac 120

aaaccataac cacaatcatc atcttcctta ttcacttatt catggtctca acaacaatca 180

tccatcttct ggtttcatta accaagatgg atcgtccagt ttcgattttg gagagctaga 240

agaagcaatt gttctgcaag gtgtcaagta taggaacgag gaagccaagc cacctttatt 300

aggaggagga ggaggagcta cgactctgga gatgttccct tcgtgggcca atcagaactc 360

accaaactct tcctactgag aagttccaaa gtcaggagga gagagcaacg attcnagggt 420

ttg 423

<210> 4331
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A1

<400> 4331

acgcctgccc gtaccggtcc gagaattccc gggtcgaccc acgcgtccgc gactagcaca 60

tcaagctgga ttggatcaag attctaccat ggatgttcta ccataaggtt ctaggcgtct 120

caacattctt ccttttcgtt gaagggaaag ctgctactcc gagtatttct aaagtgctcg 180

agtctattcc tggtgttaaa gtaatataca ggacgaaaga gcttgaggag aagcaagcga 240

agagccggat ttggaatgag acctggcttt cgtctttctt ttataagccc tgcaattatg 300

agttatttgt caaacaatct ctcaacatgg aaatggctat tgtcatggct agggatgcgg 360

gcatggattg ggatacttca tcttgacact gatgagctga tataccaaca aggtgctccg 420

tgagtactca ctaagacngg ttgcctgctt gatgttcccc caaatgtgga taanggtaaa 480

atttccaaat tacgaaagca ac 502

<210> 4332
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A10

<400> 4332

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tcttcctcaa atgaaaaagc cctaattttg atcgtctaaa tttcatacat gggtgcgaac 120

gagtttcgtt tcttcctctc ctgcgatatc aattcgccgg tcacttttcg tatcgagaag 180

cttgatggaa acctccccgt caagaaatcg tctgattcgg gagttgtctc catcgcagan 240

gagaaaaaac cagagcttta cattgagtgt gcattgtaca ttgatggagc tccctttgg 300

ccttcccatg aagaacaaga ttgaaaacta cagggaccaa caatactggc tgggnaacga 360

actcatcaac tctcaagttg cnaaataacc ggggacnttg actggcccaa ntcaacaaac 420

ttggcgaatt acagttangg ggatgtttcc ttgtg 455

<210> 4333
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A3

<400> 4333

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cttcacctat agtttatctc ttttttttt ttgttttggc ttctcttaaa ttcactttct 120

ctaaaacata aacgacattg atgtttcttc atcagatcct ttaattcttc tccaattctc 180

attctcctta catcaatgat aaactttgta gttggagatt tgttgtggat gaagattatt 240

gattgcagct tataggaagc tgctcttttt gttttgaaca atgttgctaa cttttcagat 300

tcttataatt aatcagtctt atgatgagaa gttggttctt gattacatac tacaatcaag 360

aagtaaacaa gttaagcaat cctgtgacgg gtcctgtgtt caaaagagta gatacttgtt 420

ctcaaagggt ggaaggttaa cagaaggaca aattgaccgg ggttttaaac ngttggttgg 480

tatggcccga ataaacggaa tcaa 504

<210> 4334
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A5

<400> 4334

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ttgctagagg aatcaaacaa tggtgtttgt gaagtccacc aagtcgaatg cttacttcaa 120

gaggtaccaa gtgaagttca ggagaagaag agatggaaag actgactaca gggcaaggat 180

ccgtcttatc aaccaagaca agaacaagta caatactcct aagtatcgtt ttgttgtccg 240

gtttaccaac aaagacatag tggcacagat tgtatctgca agcattgctg gtgacattgt 300

taaagcttct gcttacgcac atgaactgcc tcagtatggt ctcactgttg gtcttacaaa 360

ctatgctgca gcttactgta ctgggccttc ttttggctcc gcctgtttta aaagatgttg 420

ggaatggatg acnaagtatg aagggaaacg ttgaaggcaa ctgggagaag actttcccgt 480

ttgagccaac tgantcaa 498

<210> 4335
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A6

<400> 4335

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atcaagcgac tcagattgta tcgatgaggc tgacccgagc agaaccacct ctaaggaaag 120

aagtagttga gtatatgctt gatgtgggtt ctcacatgtg gagtatgcgg agaagcaaag 180

caaacttttt caggattatg ggagttttga gtgggttaat cgcagtagga aaatggtttg 240

aacaaatctg caactggaag aatccaatca caacagtctt gatccatctc ttgttcatca 300

tccttgtgct ctatcccgaa ctaatcttgc ccaccatctt cctctacctc ttcctcatcg 360

gtatctggta ctaccgttgg agaccgaggc atcctcctca catggacaca cgtctctctc 420

acgctgactc agcccacccc gacgagctag atgaagagtt cgacactttt cctacttccc 480

gaccatcct 489

<210> 4336
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-A9

<400> 4336

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gttggacgat tcataaccaa aaacatggtc aagatccttg aatacataag acttgcacct 120

caaggaagcc aaagggtctc aaatttcctg gagcaggctg cggaaggatt agtcgacggt 180

ggaaggagag agattttcac gccaatgtat ttcttcttgg cccggaagcc agagtaagcg 240

gatgagagat ggcgatggtc atcgtaggtc gaatgaagtg acaaaatttc tcaatttgca 300

gtcttatttt ctatgtttat cggatttgtt gcanagtttc ctaatcacca actaatattt 360

tgggatgttc gtaacatgtc accgtgttgt tcatgtgcac tcctgcctga aatcctga 418

<210> 4337
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B1

<400> 4337

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ataagatttt gatcaaaaga agacgagatt cgatccgatc cgatctgatt gaagaagaaa 180

tggcgaatct gtatgtgaaa gcggttccac caccggatat gaataggaat acggaatggt 240

tcatgtatcc aggagtttgg acgacttaca tgcttattct cttcttcggt tggctcgttg 300

ttctctctgt ctctggttgt tcccctggaa tggcttggac tgttgttaat ctcgctcact 360

tcgttgtaac gtatcacagc ttccactggg atgaaaggaa ctccttttgc agatgaccaa 420

ngaatcctac natgggttaa acttggtggg aacaaaatgg gcaaatgggt caacagcnta 480

cccgnaaccg ccaaatttct taccct 506

<210> 4338
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B10

<400> 4338

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cttgaatatg 120

ccttcaaaaa atctacaaca ggcagtcctc acaaacgaat tcacaaccaa cttcattacg 180

acctgtaagg actggctcga cgtaaatggt cttgctaaag gaaacttgga gaagaagaga 240

gatgataatg aagaagaaga gcgtctgaaa accgagtcta aacttccggg ccatgacatc 300

cacggtttcg ataacgagat naagtcattg caacacttct tgttggatta agaaggttag 360

gagggagttc aagagtcttg tgaatgtcgg gagaatatgg tgtttgggga agacagcatt 420

atgccagaag atcttcaatg atgaaan 447

<210> 4339
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B11

<400> 4339

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tctgagagac gttcacattc attgatgcct acatttagca gagagagagg ggagagcgaa 120

tcacacaagc cttccgtctc tggacaaccc ttgtctagta cagagagaaa tcaggcagcc 180

tcaagcaggc acactatttc tatcccgcgg ccatcattaa gtatggacac agatcaagct 240

gaatcgcgta ggcctcatct tgtgatacga ccaccgacag aaagagaaca gcctcagaag 300

aaacttgtta taaaacgttc gaaagagatg aatgatcatg acatgagtag tcttgaagag 360

agtccacggt ttgagtcccg gaaaacaaaa agaatggcag aactggcggg ttttcagang 420

cagcagagct ttagattgtc agagaaatct c 451

<210> 4340
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B12

<400> 4340

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gtccgggata ataaaaccta cgaactcgtc accaaagaaa tctttggacc atttcagatt 120

gtaacggaat acaaaaagga tcaacttcct ctagtgttgg aagcattgga gaggatgcac 180

gctcatctaa ctgcagctgt tgtttcaaac gatcccatct ttcttcagga agtaataggg 240

aactcagtga atgggactac atatgctgga ctaagaggaa gaacaactgg agctcctcag 300

aatcactggt ttggacctgc gggggacccg agaggggccg ggatagggac accaagaggc 360

tataaagctg gtttggtcat gccacaagag aagtcatcta cgattatggt ccggttccac 420

aaggttggga acttcctcca tctacttaga agtggtgtgt ccactaataa ttaataaact 480

aagatnctaa t 491

<210> 4341
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-H3

<400> 4341

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tgaataagaa actctgcaac aaatccgata aacatagaaa ataagactgc aaattgagaa 120

attttgtcac ttcattcgac ctacgatgac catcgccatc tctcatccgc ttactctggc 180

ttccgggcca agaagaaata cattggcgtg aaaatctctc tccttccacc gtcgactaat 240

ccttccgcag cctgctccag ggaaatttga gacccttgg cttccttgag gtgcangtct 300

tatgtattca aggatcttga ccatgttttt ggttatgaat cgtccaacag ctgtaaggcg 360

gaagctactg ngtgnganat gantttgtc aanaggtaag gtacatggga ncgggngagt 420

ccnttggcaa gatcctt 437

<210> 4342
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F5

<400> 4342

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cactatccag agtgtataca aaggttgttg tggagctttt atcagatcac aggaataaga 120

tggaggtatt tggaaaatct cccatggttg ttacatctgc caatgttatt tacttgtctg 180

caattctggg tcgcgattgc gatggacaca aatgtgattg gaaatgtgag aatgaaaatg 240

tttgtgggaa tatgtatcgc tgcaaactaa ctggactaac tcatgtctgc gacaagaact 300

gtaaccagcg gattctctat gataaccata gctctttgtg ccgagccagt gggaggattt 360

tccctctctc gtccgtcgag gaagcaggcg gttaaaggtg ttcggaagga agcttgacgc 420

ccgctgagan tcaacccttc tgaaaacct 449

<210> 4343
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F6

<400> 4343

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gagattaggt cattttcgcc tcgactcgaa ctctgtctcg cagcttccgt gagagagtca 120

tggacacgcc accgacttct cgtatcgcat cttttggtca gacggagatt aactgggaca 180

aacttgacaa aaggaggttc tacattaatg gagctggcct cttcactggt gttacagtag 240

ctctgtatcc tgtatccgtt gtgaaaacaa ggcttcaagt tgcttctaaa gagattgctg 300

agagaagtgc cttttctgta gttaaaggaa ttttaaagaa tgatggtgtt cctggtctgt 360

accgaggttt tggtactgtc attacaggtg ctgtacctgc aagaatcata attccaactg 420

ctccttgaag aacaacna 438

<210> 4344
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F7

<400> 4344

gaccccaaat ccagaaattc aagcgaggaa tagaatctcc cactagagaa aagcaatccc 60

agaaacccta agttcttcac gtttcgttct tttgcttgtt gatcaagcag gatatctccg 120

agatttgtga gtctcttgct acttcttcct ggagaacgat tcagggtttg atgtgataag 180

aatagtcatc gaggaagata gatttgggga ttttttttt atttgtagat tcatgaaaca 240

aattcgtcga tggcagagga ttttgatcct cgctctgcta tcgatatctg tattcgctcc 300

gcttattttc gtatcgaatc ggcttaagag catcactccc gttggtcgta gagaatttat 360

tgaagagtta tccanaatta gattcacgac aantgacctt agacttagcg ctattgaaca 420

tga 423

<210> 4345
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F9

<400> 4345

acgcgtccga ttagatagat agatagatta tttnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnagaaac agagagtttt tgattctctc tgttttcaaa tctgttccac taagctctct 180

tgctttcggg aagattctgt ttcactgctg cattttggat ttttccgatg gatcgtaaga 240

gttggccatg gaagaagaaa tcctctgaga aaacagctac tgtcacagaa gttgttgatc 300

aggaaaatgg gaagaagccg agttatatcc aagatctcat ttgatcaata cacgaaatct 360

aaatggttta aaagatgaag tcaaagagct acgaaagaaa aagttacaaa gccttgagg 419

<210> 4346
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-G1

<400> 4346

acgcgtccga ttacccaaag ctatgaggct cacaccacca atagctccgc cgtcatgaat 60

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agacgcatgt gaatcaagat gatctgttag tgaagtacca atacatctca gatgcgttga 180

ttgctcttgc atacttctca atcccactcg agcttatcta tttcgtgcaa aagtctgctt 240

tcttcccttа caaatgggtg cttatgcagt ttggagcctt tatcattctc tgtggagcta 300

cgcatttcat caacctatgg atgttcttca tgcattccaa agccgttgcc attgtcatga 360

ctattgctaa agtctcttgc gcggttgtgt cgtgtgctac cgcgttgatg ttgggtcata 420

ataatcccga tctcccaagt ggttaag 447

<210> 4347
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G10

<400> 4347

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tttcaaccat gactcgtgga agtcagagag agcgtgaccg tgaaagagct gccgctcgtg 120

ctggtggaaa gggtaagaat ggtgacgatg gtttgacgcc ggagcaacgc cgtgaaagag 180

atgggaaagc attgcaagag aaagcggcta agaaagctgc tcaagctgca ggtgcgagtt 240

ctggtggtgc agctggagga aaaggagctg ctgctaagaa gtgatgatga tcatttggtt 300

tgtcttttga gcatattgta nactttaatg tttgaaattg ggttgtttag acctgaagct 360

ttgactcttg tctgaaatcc cattataatg tcnttgtgtt gaatttgcaa tttgatg 417

<210> 4348
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G2

<400> 4348

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ctcaaaacat ttgtctgatc cattaatcgg attcagatac aatgacaagg gttacacgcg 120

attttcggga ttcattacag agagatggtg ttcctgcagt atcagcagat gtgaaatttg 180

cttcaagtag atttcctaat tatagaattg gagctaatga tcaaatattt gatgttaaag 240

acgatcctaa agtgatgtcc atgaaagagg ttgttgcgcg tgagacagcg cagcttatgg 300

accagcagaa acgtttgtct gttcgtgacc tcgctcataa atttgagaag ggtttggctg 360

cagctgctaa gctatctgag gaggcaaaac tcaaagnagc aacttcgttg gggaaacatg 420

gtccttttaa agnaaacttc gagat 445

<210> 4349
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G3

<400> 4349

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tcgccactga tggatcctat ggagtcgtct agtgaacagg acattgttga agagagtcaa 120

aagctggttg actcattgga caagcttcgt gttagtgctg cgagttcatc ttctaatttc 180

aagaagaagc ctatcattat tatcgttgtt ggaatggcag gtagtggaaa aactagcttt 240

cttcatcgct tggtctgtca tacttttgat tcaaagagcc atggttatgt ggtgaacctt 300

gaccctgctg ttatgtctct accatttggt gccaacatcg atataagaga cactgtcaag 360

tacanggaag ttatggaagc agtanaatcc ggggtcctaa atggtgggaa ttccaanttc 420

a 421

<210> 4350
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G4

<400> 4350

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ttttaaaccc ctccatgcac tcctcttgtt tatatattta ttgcttcttc tctaagtttg 120

ttgagtccta atcatctctc tatctagcaa cgtataaata taaagagaga gagcagagaa 180

atgggtttcg gctccttcat atctaccatc acttactgtt tgttctttcg ctatccacat 240

aagaagccaa agttcaaaag tgtgagccac ctcaaccatt accacaccat gccaatggct 300

cgtccacttt ctttacagac gatagacctg aaagtaagga tgtgttgcag tggatgtgag 360

agggttgtca agcatgccat ttacaagctg agaaggggtg gacncgttgg aggggaacct 420

<210> 4351
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-G5

<400> 4351

atggaggtcg aaggcaaagg aggagaagct ggaaccacca ccacaaccgc acctcggagg 60

ttcgcacttc cggtggacgc ggagaacaaa gcaacaactt tccgactatt ctcagtcgct 120

aaacctcaca tgagagcttt ccatctctca tggtttcaat tcttttgctg cttcgtctcc 180

actttcgcag ctccgcctct cctccctgtt atccgtgaaa atcttaacct caccgccacc 240

gacatcggaa acgccggaat agcctctgtc tccggcgctg ttttcgctcg tatcgtcatg 300

ggcacggcat gtgatctttt cggtccacgt ctagcctccg ccgctttgac gctctccaac 360

gctcccgccg tctattcaac gccggataaa agtctcccga tcgggtt 407

<210> 4352
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G6

<400> 4352

acgcgtccgg cttacagaca actaagaaaa aaaataaaaa tgaagatgtt tatctctcct 60

caaaccctag tactattggc attagctctt gtcctagctt ttgcagttcc actgaaagcc 120

caagaccggc gacaagacta ccttgatgta cacaaccatg ctcgagacga cgttagtgtg 180

cctcatataa aatggcatgc gggagcagcc cgatacgcct ggaactatgc tcaaagaaga 240

aagcgggact gtcgtctcat tcactcaaac tcacgcggac gttacggtga aaacttggca 300

tggagcagtg gtgatatgtc cggagctgcc gcagtgagat tgtgggtcag ggagaagtct 360

gactacttcc acaaatcgaa cacatgccgt gctggaaaac aatgtggtca ataaactcaa 420

gttgtgttgg aaaaacncag ag 442

<210> 4353
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-G7

<400> 4353

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tattcacatt tgtctttgcc ggtttcgtca ttccaccacc ttctatgcca gcatggctca 120

agtggggttt ctgggcaaat cctttgagtt acggtgagat tgggttatca gtaaacgagt 180

ttcttgctcc aaggtggaat cagatgcaac ccaataattt taccttagga cgaaccatac 240

tccaaacccg tggaatggac tacaacggtt acatgtactg ggtatcatta tgtgccttgt 300

tgggtttcac tgtgctcttc aacatcattt tcactctggc tctaacgttc ttgaaatcac 360

ccacatcatc tcgagccatg atttcgcaag acaaactctc tgaactgcaa ggaacagaaa 420

agtcaacaga aagattcctc cgtc 444

<210> 4354
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-G9

<400> 4354

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tatcaagaga acacctgaat ctgaaaatga tcactacagt gctacgacga tctctccttg 120

atgcgtcgaa gaggaatctc tccgcttcgt tgacctcaat caatactgtt ctgtttcaca 180

acctggcccc agccgccact agagtctccg acctagcctt aattggatct tccgatgtca 240

aagctgggtt tccgtttggt gttgaagcga aaggaattca ttttcaatct gggccgttgg 300

attttagagc ttcgatggtt tctcaagctg gatttgcgat ctctgagagt agcgagagaa 360

gggttggtga ttcggagagt gttggtggtg atgggcttgc gatatctgag cttgggatat 420

ctccggagat tgttaaagct ttgagtanta agggtattga gaaaa 465

<210> 4355
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-H11

<400> 4355

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ttactcaatc atgggagcag taggctcaat tctttctggt ttcattggtc ctacatttgc 120

tattgtgatg agcaacatga tcgaagtctt ctactacaca gactatgatt caatggaaag 180

gaaaacaaaa gagtatgtct tcatctacat tggtgctggt ctctatgctg tgggtgctta 240

tttgatccaa cattacttct ttagcatcat gggagaaaac ctcacaacaa gagtaagaag 300

aatgatgctc tcagctatct tgagaaacga agttggttgg ttcgatgagg atgaacacaa 360

ctcaagcctg atcgctgcac gtttagctac tgatgcagca gatgttaaat nccg 414

<210> 4356
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F3

<400> 4356

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ggcgattttg gtgtatggtc gtccctttca ctgtatttct tagtcaatag catcttctcc 120

gatcatcgac gtccggagat ttcttcggcc ctctcatact tgagttgttg taggatttgt 180

tgctctggct ctggtggtag gtctatgaaa tcaacccata tcgtgaatgg actgcaacat 240

ggtatcttcg tcccagtggg attgggagca tttgatcatg tccaatccgt caaggactga 300

agatgacagc aaacagctac ctactgagtg ggaaattgaa aaaggtgaan gaattgaatc 360

tatagttcca catttctcag gccttgagag agtcaatagt ggctctgcca acagcttctg 420

ggnaaaactg gctgttatcg aaaaactcac a 451

<210> 4357
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-D10

<400> 4357

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ccaccaccat gcatcaccgt caccaccaac gcgacgacgg agaagacgat cgtcaatcct 120

ttggagtacc accgccacac gtcgatgctc cgccacaacc tcatggtctt taccagtcac 180

agcctcattt tgatccttac gcgcctactc ctcaagctcc ggcgccttac cgatcagaaa 240

ctcaattcga accccacgcg cctccgcctt accgatcaga gccttacttt gaaactccgg 300

caccaccgcc ttcatttggt catgtgagtc atgttggtca ccaatcaccc aacgaatctt 360

acccaccggg aacaccaccg ttacggaggt tatcaacagc cgtctaattc cttactggaa 420

agtcatggag atcacagtgg agtcacgcac gtggctcaac atagctcaaa tca 473

<210> 4358
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-D12

<400> 4358

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aaaaatcttc aacggattaa aacctcaaga agctctctat ccctttttgt caatcgatct 120

ccacaatctg aggccttctc tctgcagctt tcttgcgtat aaagataccc catctcaaag 180

cagctttaag ctttagccat ccaacaacag ctttccccga gcctctatta cgttctcttc 240

ggtacgtgtt atcgatctga gcttggtacg ggatgctata accgtaacaa gactcatcaa 300

gtctgaccaa accctccttg tgttcccaca agtgttcaca ccgataccaa acgtcttcaa 360

caagtctctg catatcgtca gtctcaagca tttcagaact ccttagtctg atttcttcgg 420

c 421

<210> 4359
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-D3

<400> 4359

acgcgtccgc ccacgcgtcc gattcangag ctcaataatt aactgattcg aaatggcgaa 60

gatgtaccgg aagttggcac tctgcggtgg tgagggagga caagaatggg acgacgatgt 120

atatgagggt gtaagaaaag tgtatgtagg gcaagatctc aaccgtatca cttacatcaa 180

gtttgagtac gtgcaggaag acggcgaagt agtaacaact gaatatggga caacaaatca 240

gcaccctaaa gagtttgtaa ttcaataccc ggacgaacac atcatagcag tggagggaag 300

ttaccaccaa gtggctctca ttgccacaga ngtgattacg tccctcgtct tcaagacctc 360

aaagggtaga aagtctccat tgtttggtcc aaacttactt gggnattacc gaccggtaca 420

aagtttggtt ttgaaggatt angggaaaag aa 452

<210> 4360
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-E1

<400> 4360

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ttaaacaaaa tccattctgg tggacacacc acanacatga tgggaagttg tggaacttga 120

acaattaccg cactgatgtc atccaagctc ttggaggtgt tgagggtatt cttgagcaca 180

cattattcaa ggggacatat ttcccgacat gggagggact tttctgggag aangcgtctg 240

gttttgagga ntcgatgaaa tataagaagt tgactaatgc tcagaggtct ggtctgaacc 300

agattccaaa tacaagattc acgctttggt ggtcgccaac aattaatcga gcgaatgtct 360

atgtgggttt ccangtgcag ttggatctga caggaatatt tatgcatgga aaagaatcca 420

cactttagga n 431

<210> 4361
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-E11

<400> 4361

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tgctgttggg atcaaagagt agcaaacaat acgagagcag aagaacttac ttatagaaaa 120

aaatgggaat ttcaaaacca ctccctctat tttcgatttt agtcctctat ttttcactct 180

acaccattac accaacttct tcattagcct ccctccaaga tcaattcatc aactgtgtcc 240

aaagaaacac acatgtttac ttcccacttg agaaaacgtt ctttgctcct acaaaaaatg 300

tctctatgtt cagccaagtt cttgaatcga cggctcaaaa tctccggttc ttgaaaaaat 360

ccatgcctaa accggggatt catattcaag ccctattcac gagtctcaag ttcaaagc 418

<210> 4362
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-E12

<400> 4362

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aattcaatca ccaaatctga tatcgaagct ctaggaatct ccggtgatgt ctccgagaag 120

cttctcagag atctcgaaga cattattcac ggttcatcca cgccgccgga gacgtggatt 180

cagatttctc ggcggatcct tcaccctaat ctccctttct cttttcacca gatgatgtat 240

tacggttgct acaaggattt cggacccgac ctacccgctt ggatacccga cccgaaggtt 300

gcttctttaa ctaacgtagg caagttatta gaaaagcgag gcaaagagtt tttaggtgga 360

aattacaaga atccagtttc gaagtttctc ccagttttca agaagttcn 409

<210> 4363
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-E4

<400> 4363

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cacttgtctc cttcctcttt ctgggtttcg cgtcgtcctc gtgtttcttc ttcaattctt 120

tcttttcttg tccctcgccg tcgaatcctt tgcaccagga aagtagcaat cataaaggga 180

aatgcgggat attcgactgc tactgattgt ggtggttctc atgggtttca tcattcaggt 240

catcaaaggt catcctctgt tgagtttagt ggagagtgga aacttaattt gggatctaag 300

acggcgagaa tggttccgcc aactgtgaaa caagctggag ctgtaagtgc ttggagggag 360

gaagtcaata ataagttaag aggaagaaat aganaataag ngaacaacca agataaaggc 420

tttggggaat g 431

<210> 4364
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-E7

<400> 4364

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tattcgccag cgttaatcag actaatccat tcgcatccct ctcgtcctcg gatctttcca 180

acagaggcaa caacagcttc tctacccagc tcaatgatct ctacaccaag tatatgccgn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

ngctcacact gaagattaag atcgctaatc cttcgttgcg gcggctatta agcggagcag 360

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tggtgggaaa ntggaggaac tcc 443

<210> 4365
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-E9

<400> 4365

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agcttcaacg tctccgatct tactgctgct cttaaggacg aggatcgagc tggccttgtc 120

aatgctctaa agaacaagct gcagaatctg gctggtcagc gttctgatgt gctcgagaat 180

ctgactccca atgtgagaaa gcgcgttgat gccttgaggg atatacagag ccaacatgat 240

gaactagagg caaaattccg tgaggagaag agctattctt gaagccaagt atcaaacgct 300

gtatcagcct ttgtatgtca agcgttatga gattgtgaat gggcactact gaanttgaac 360

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<210> 4366
<211> 496

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F1

<400> 4366

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cattcgatct atagagacga aacaaaaaga gagatcgtac gcaaaagttt ccgatatggc 120

tcgctcgttt ggagctaaca gtaccgttgt gttggcgatc atcttcttcg gatgtttatt 180

tgcgttgtcc tctgcaatag aagaggctac gaagttagga tcagtgatag ggatagatct 240

tggtactact tactcttgtg ttggtgttta caagaatggt catgtcgaaa ttattgccaa 300

tgaccaagga aaccgtatta caccttcatg ggttggtttt actgactctg aaagactcat 360

tggtgangct gctaagaatc aagcagctgt taatccagag aggactgtct tcgacgttaa 420

gagattgatc gggcgaaaat ttgaggataa gggangttca aaaggatang aaacttgtac 480

cctaccanaa ttgtga 496

<210> 4367
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F10

<400> 4367

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ccggcgagat ctcaatttga tccttcacgg tggcgtcgac gtccgggcaa caacaagctc 120

tctcgagaag aaagcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnntgt tcgagctcct gcggcgaaga aaccgagtcc ggaataccca ttttggcagc 240

agaactggtt tatcggtctg ctattcgtga tggctttagg attcttctgt ctcgctatct 300

tcctttacct aagtctcgat cctgattccg gttacacgtc tgcctccgcc gctgcttctg 360

gtaaagaagg tgtcgagatt acttatggaa gtgcgatcaa gttgatgcac gaaaaa 416

<210> 4368
<211> 416

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F11

<400> 4368

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ctctatcacc aaagactctc ctcaagggaa agccataaag gagactttgg gacattgtga 120

tgctaaagct attgaaggag agcataagtt ttgtggaact tctttggagt cattgatcga 180

tcttgtgaag aaaacaatgg ggtataatgt tgacctcaag gtcatgacga ctaaagtaat 240

ggtaccggcc caaaattcga taagctacgc tttgcataac tacacattcg tcgaggctcc 300

aaaggaactt gttgggatta aagatgttgg gatgtcacag aatgccttac cttatgctgt 360

ttactattgc catggacata aaggtggaag tagaagtcct tgaagttaan ttgggt 416

<210> 4369
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-F12

<400> 4369

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tgtttcttaa taggtttagg gttatgttct gctagacgag cactactctc ctcctctgaa 120

tccgaggctg aagtcgctgc ctatggcgtg aatagtggtt taagtgctgg tcttggtgtt 180

ggtaggtggt ggccctggag gaggctacgg aggtggaagc ggtgaaggtg gtggagctgg 240

atacggannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaggatacgg tggtggacaa ngtgcctggt 360

gctggangga ngatatggag gtggangtgc ccgggggaca tgggang 407

<210> 4370
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-043-Q1-E1-F2

<400> 4370

acgcgtccgg ttttgctttt gaattttcaa cgactctgtt cactcacata tctctcttag 60

tgtctactgg attcggaatg agatcgatga gatctgggag agacaacaac atctgcttcc 120

tgggttttct ctcctttgcc cttatctccc ttccctcctt gtcacttgct cttaccaatc 180

ctgacgatgt tgcggctatt aacagtctct tccttgcact ggagtctcct cttctccccg 240

gttgggttgc atctggaggt gacccangtg gtgagagctg gcaangtgtt ctatgtaatg 300

cttcccaagt agaaacaata attctcanca ctgccagatc ttggaggaca gcttggtgtt 360

ggcttaaaca ttgtcacctc tcnta 385

<210> 4371
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-D1

<400> 4371

acaaccaatg gggtctccaa tggcctcttt agtggcaact ttgcttgtct taacaatctc 60

tctcaccttt gtatctcaat caaccgctaa ctatttctat tcttctcctc caccaccggt 120

taaacattac actcctccgg ttaaacacta ctctcctcca ccggtatacc actccccacc 180

accacctaag aagcactacg aatacaaatc tccacctcca ccggttaagc actactcacc 240

tcctccggtt taccattccc cacccccacc aaagaaacac tacgtgtaca aatctcctcc 300

tcctccggtc aagcactact ctcccccacc ggtttatcac tccccaccan caccaaagaa 360

gcactacgtt tacaaatctc cccctcctcc ggttaagcac ttantc 406

<210> 4372
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-G4

<400> 4372

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gtctccgttc gattcatttc cggaagattg catctcctac ataatctctt ttacaaatcc 120

acgcgatgcg tgcgtcgctg ctacggtttc gaaaacgttt gaatcgacgg tgaagtcaga 180

tattatatgg gagaagtttc ttccggcgga ttatgaatct ctgattcctc catcgcgagt 240

tttctcatcg aagaaggagc tctatttctc tctctgtaac gatcctgttc tattcgacga 300

tgacaaaaag agcgtatggt tagagaaagc gagtgggaag aggtgtctga tgttatctgc 360

gatgaacctc tcaatcatat gggggaagat aatcctcaag tattggcaat ggattccaat 420

tcctgaatct an 432

<210> 4373
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-G7

<400> 4373

tgtttcttct tctttcaaaa tctcaagcaa aagaaaaaat ggagctattc acaaaaggta 60

acaacgttaa gttacgtagc cacctagata agtttttagt cgccgacgat gaccaagaaa 120

ccatccgtca aagccgtaaa ggagatgcac ggcgtgccgt ttggacggtg gagcccgtcg 180

tcgataaacc taatctgata aggttaaaga gcagccacgg cacgtactta acggcgagca 240

acaaaccgtt attgttaggt atgaccggtg agaaagtgac tcaaacggcg tcgtttaaca 300

agctgatgga ttggcaaacg cagtgggaac cggagcgaag atgggtttca ngtgaagcta 360

aaatcctggt gcggtaagtg gatgaagggc taacggtgga acgccgccgt ggagaaactc 420

tgt 423

<210> 4374
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-H11

<400> 4374

actcctatat ctctctctcg ctctcctccc cctttccgcc gatcgtcctt tccccaccgt 60

cgagtttttc cctatccatc tccgggtacg actttttctc tctgtttcna atcctacgcc 120

gcgatgttgt ggatggtgat tttctgtgtt ccgatctagt cttaggtttt ccttttgtaa 180

ttcctgaaat gggttttgat ctgatttgaa ccttatcgat tttccgattc atttttaggg 240

ttcttcactt tatctattgt agtttggttt caagttggtc gtcgggtant tcaatttttc 300

ttcntttggt ttgtttcaat gtctcattag caggctttac gttgcacacc agatgtctgt 360

tgatctctgc angaagaatc catcttttcn ttggtgtgac tgtggttata tgancagggg 420

gaagt 425

<210> 4375
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-H12

<400> 4375

anctcctcct ccgctcgttc ccgatcctcc tcgacaccag ggtcccaatg accacgagaa 60

angggcctcc aagcangttg gaaggcggga gcgtgctaaa ccggatccat cgaagcacca 120

ccacaggtct catcttcctc attctaagaa aatcgagacc gaagaanaga ggaggcttag 180

gaagaagagg gagttagaga aacaaaggca agacgaaaaa catagacagc agatgaaaaa 240

ttctcacaag tctcagatgc ccaagggaca caccgaggag aagaagccga cgcccctact 300

caccaccgac agggtcgaag aataggttaa agaaaccaac caccttcatc tgcaagctca 360

agttccggaa tgagctccct gaccctagtg cacaagctta aagcttatga ccctttaac 420

ngggat 426

<210> 4376
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-H2

<400> 4376

acgcgtccgc acctacccaa antgtcttcc cagaggcgat gacacacaac ctcaatctgt 60

tcgncgctgt cgcnnatcgg anagatgggt gtcgatttgg aatcggtgtc tcgaagcaac 120

ctcnggagct attgggtcgc ttctgagtac aacgatcttg tatcctcttg anacatgtna 180

atcaaagttc caagccgagg ttcgagctcg tggtcancaa anatacanat atctttccga 240

tgttatgtgg gaggcaattt ctaaaggaca acgtcttttc actgtatcaa ggccttggaa 300

ctaagaattt tcagtctttc atttctcaag ttcatcgact tttatatgct atanctattt 360

caagagaatt cataagtgga angactggtt ctaaancaat tggggctang gctaatttgc 420

tcattgcc 428

<210> 4377
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-H8

<400> 4377

aagccaagtg agaaaaagaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnntg gtcttatgat ctcatcaaac ggagctttaa 120

tcgaacaaca accatcagtc gtcgtgaaga aaccaccggc gaaagatcga catagcaaag 180

tcgatggaag agggagaaga atccgtatgc cgattatatg tgctgctcgt gtttttcagc 240

taacgagaga gcttggtcat aagtcagatg gccaaacaat tgaatggtta cttcgtcaag 300

cagagccttc tattatagct gcaacaggaa ctggtacaac tccaagcgag tttctcaact 360

gcttctgtct ctatccgtgg agccaccaat tctactcttt agatnata 408

<210> 4378
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-H9

<400> 4378

acgcgtccgt tcntctttgt tttttgctct cggctgatct ctgtattgga tttttgatat 60

aaggtttgaa atcatggagg tcgttgatat tgatgcccga gctgctaagt tagggattga 120

ttggtctcag gttaattttg attccatcca acttcctcct ggagaagact ttgggatcga 180

gagtgatgat gaagctgttt accaggatga ccagtctgaa ttcgacactg gattcggtaa 240

cattatcgtg gtcgatcacc tccctgttgt tcccaaggag aagtttgaga aacttgaagg 300

tgttgtcaag aaaatttaca accagttagg tgtgattaag gaaaatggac tgtggatgcc 360

tgttgatccc gataccaaga tgacattggg ctactgtttt aatgaattca acactccctc 420

angganccca aaaacgccaa aggga 445

<210> 4379
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-A11

<400> 4379

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tantttcgct gatgtttatt tccctccaag caagagatca cgtgttgttg cacctacgat 120

cttcagtgct ttcgagaaaa agccagtttc cattgatgtg ctaccagatg agtgtctttt 180

tgagatcttt aggcgtttgt ctggaccaca agagaggagt gcttgcgctt ttgtctccaa 240

acagtggctt acgcttgtaa gtagcatccg tcaaaaggag attgatgttc cttccaagat 300

aactgaagat ggtgatgatt gtgaagggtg tttgtctagg agcttagatg ggaagaangc 360

aacagatgtt agattggcag caattgctgt tgggaactgc tggtcnttgg ggactggnaa 420

aatgtc 426

<210> 4380
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-A12

<400> 4380

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aagtacagag atggaattga caacctttg gtcctcttga tcggtggnnn ccccattgcn 120

atgcctacag tcttgtccgt gaccatggct attgggtctc acaggttgtc tcagcaaggt 180

gccatcacca agcgtatgac tgccattgaa gagatggcag gaatggatgt cctgtgcagt 240

gacaaaaccg ggacactaac cctcaacaaa ttgaagtgtg gncaaaaact tggtcgaggt 300

tttctgcaag ggtgtggaga aagatcaagt ccgantatnt gcagctatgg cttccagggt 360

tgaagaanca gggatgccat tgatgcancc atggttgnga agctgctga 409

<210> 4381
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-A4

<400> 4381

aantgttacg cctgccggtt tcggtcgnan aattcccggg tngacccacg cgtccgctct 60

aaacaagctc ctcagtttga ctttccaact actccttttt ctacttagtg tttcatcgga 120

atctccatgg atcgccgaag atacgtctca aatccagacg aagctcctcg aattcgcgaa 180

gagtccggag gtcttcgatt ggatggtgaa aatcagaagg aaaatccacg agaatccgga 240

gcttggttac gaagaactcg agaccagtaa actcattagg tcggagctgg aacttatcgg 300

aatcaagtat aggtatcctg tagctatcac cggtgttatc ggatatatcg gcaccggaga 360

accgccattc gtcgccctga gagctgatat ggatgctttg cctattcagg aaggtgttga 420

gtgggaagca caagagcaaa atcgctggga aaatgcaagg cttgcggnga tga 473

<210> 4382
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-042-Q1-E1-A7

<400> 4382

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gtctcctttc actctcgcct ttgatatcgc tggctctgca cctcgtggtt ttggcatccc 180

tgagttcatc tccaaaattt cgtatctctc tgtttttgcg gttgctacgc ttggaactta 240

tgacattgca ttggatttgg gaaagaaagt catatgccaa agggattgca aaacttgtaa 300

tgggtggcag gcattacggt gcactatgtg caaaggaaca gggagtgttc attaccaaat 360

caaagattac aacttgagaa gtggagagaa accaacagca gattgtgtcg caaatgctat 420

agtt 424

<210> 4383
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-A9

<400> 4383

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aaacagaatc tgtatcagga aaggggaaga gagtgattgt tatcggcggc ggaatcgccg 120

gctctctcgc ttcgaaattt cttcaattcg attccgatct caccctcatt gatccgaang 180

agtattttga gattatttgg gcaagtttaa ngtcaatggt agagccagct tttgctgaaa 240

gatcggtgat aaaccacaag aagtatttac aaaatggtcg tgttgtgact tctccagcgg 300

ttaatatcac agacaccgat gttttgaccg cggatggtcc tgtccttggg tatgattatc 360

ntgttattgc tactggtcac aatgatgtgc ctcccaaaac taagcaagag aaattatccc 420

aataccaaac agaacatgag gaagattaag t 451

<210> 4384
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-042-Q1-E1-B10

<400> 4384

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ccactctctg cttatgttaa cgtagagaga gacggcgacg tagaaggagt aggaggagga 120

ggcttcgtcg acaatgcgag aatggctcag tatagacaat caggaacaga gaggtttttg 180

ggaggtcgaa gcggttacaa tccttatgtc aacggtggag cttcgtcaga tcacgtagcg 240

atcgggatcc gtaacggcgg tggtagtaat ttcggagttg taactcagca cgggaaagct 300

agtcgatggc ggcgatctac tcgattagat aggaatcgtc gttgtggtgt tggctctttg 360

gtgtttgttc tttgtgttgt gctcgttgtt tgtgtctcag cttactatta tttctccggt 420

tatactaatt tcggcaaaag atgataaagg aattgataca gctgaaggtg attttcctac 480

gaatgt 486

<210> 4385
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-B2

<400> 4385

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cgcccacgcg tccgcccacg cgtccgcgga cgcgtgggat cctcttaatc ggcttatcgg 120

atccgaatcc ggacccgaaa gcctgaaaac ccgacgatta attgcacgat gtccgatgct 180

ccgtcgtctt ccccggatgc cacggcgtcg cactggtgct atcactgcaa caaacgcgtc 240

gtcgttgaaa ccttagatga ctttgtcgtg tgctgcgaat gtaacaaagg tttcgtcgag 300

tcaattcaac cgactcccgc cgcttattca tcgccggcgc caccgcagcc actttcccca 360

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agcccangcg ccttctcaac gttcaacaac aacgaaaacc ctggn 465

<210> 4386
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-G3

<400> 4386

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tgtgattttg aaactcggtg gtggtctttg tattgtgatc ttttgtcttg attggatcgt 120

tcttgtgtgt gctttcttct tgaagtacta tgcttatgtc gatggtggtg atggcgttgc 180

gatgaagaga actggtaagg ttcagagtga ggagaatccg aaggactggc catggccgtt 240

ccaagtttaa agtttgtgtc cttttgtttt gtggtgagaa ctgttgagtt aagatcaata 300

tcaaatgttg gttttaaggt tctgtttcgg tggggtatta ttgtgatttg ttcatttgtt 360

ttttgaagtg tttgatgtaa ttcgtcaatg atctgttaca taatataaag tcctttctaa 420

aaa 423

<210> 4387
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-D5

<400> 4387

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnattct gttggttttg 120

caatggtttg gaggttcgtt aatggcgtca tagactcggg agattaaggg agaacaagta 180

ctctgcatct tctggatttc tcactatttc tccttctcta gaggaatagg cgagaaattg 240

agattaataa aaaggggtgt tttttggttc tccttcgttt gtataaagcc tgccgcttct 300

taaggttctt tggaaattct caagtgatgg aggaaaatct ggtttacttc gcatgagcta 360

ttaacgaaat ttcatcatga ttgtctcact gtcacacttg tgggagtatg cgtgaatg 418

<210> 4388
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-D6

<400> 4388

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tggtgctcgg ctttgaaatt gaggatgaga tcctttccac ttccttctac ctgctgacaa 120

tgggcaactg cggtactaga gacgaggctg ccgtcttcac tcctcaagct caagcccaac 180

agctccagaa gaagcactcc cgatccgtct cagatctgag cgatccatcc actcctcgct 240

tccgagacga ctctcgcact cctatttcgt atgcccaagt catccccttt actttgtttg 300

agcttgagac catcaccaag agcttccgcc cagattatat actcggagaa ggtggtttcg 360

gtaccgtcta caagggttac attgatgaca atctccgcgt cggcctcaag tctctccct 419

<210> 4389
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-D9

<400> 4389

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atcagcccaa ggaagatttt gaggctgctg caatagagaa agagatatca gaacaagaac 120

acaagttgaa tgatctcacc gatgtccaag aagatattgg tacatatgtt aaagtgcaag 180

ttcctgatga tgaaataaaa ggtgatggcc atgattcagt tgcagcacaa aaggaagaaa 240

ctagctcaat agaggagaag agagaggttg aacatgtcaa ggcagagatg gaagatgcaa 300

tcaaacatga agtttccgta gaagagaaga acaacacatc tgaaaatatt gatcacgaag 360

ctgcaaaaga gatagagcaa gaggagggta agcaaacaaa tattgtcaag gaagagatnc 420

gagaagaaga gaaagggatt atc 443

<210> 4390
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-E10

<400> 4390

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gtgggatgct tctgaaacca ttaaccttaa gcaacgatga attcgaagtt gatgagtcgg 120

atgaactggg cttctttgct ccttctata aagatttcag gataaggttc tctaaactgt 180

tgagtgataa attcaagaag atggattata aacttgcaat gagtgttttg aaccctaaga 240

tcaacttccc anaggttgat ttgactggaa attcaccaga tggatttttg aagaaactcg 300

acggagttct ttcaccttat gatatggaga gattcagagc atacactgcc aatctcgttg 360

acttcaatct ggtttatgac atctgcaaaa ctctagctca tcattatttt caagagaagc 420

tcccagtctc gctgtcgtan gttcaagctt ccggtacccn gtgtttgggc ntgcaagagt 480

caaatt 486

<210> 4391
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-E12

<400> 4391

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aacagctgtg gaatccaaca aaacgctttt gaagagatga ggagaaacgc cgccgtttct 120

gatcggagag acgccgtgat ttgtcctaaa cctcgtcgtg ttggtgctct taatcaccac 180

tcttctcgat ctctccgttg gcaactcaat catcagatgg aattatgtga atcgaattca 240

ggaagtgaga ttttggattt catcctcaca aagggtggtg gtggtggtgg tgagcaagat 300

cagacgagga cggtgatgac gccacctctg ttctttacag ggtcacctcc aagtagagtt 360

tctaacccat taacaaaaga ttcgcttttt cgagaagagc ttctcaaggt ggcttctccg 420

agtccatcga ctccacgagc aaa 443

<210> 4392
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-E6

<400> 4392

gattatcgtt cacttaccag ctcttatatc tgctggacgc tactggattt tattctcttg 60

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cctcaaggat ttcaaagatt cggaatcatg agcgtgagag acttcgtggt cctccatggt 180

taaaaacggt gcaaggggca cttcttagct gctcatatgc tgtgcttgac tatgcccaaa 240

ccggtctaat tgcagcagtt tttatcttca aaatgatgga atggtggtat caatccgctg 300

aagagagatt atcagctcca acagtgtacc ctccacctcc acctcctcca agccccaaag 360

atggccaaag aaggaatccc tctacctcca agacagattc ctctgtgctt tttgcaagca 420

ta 422

<210> 4393
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-F1

<400> 4393

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aagaccactg ctcaaagagg agacgcgttg cacatcagaa tcgtagcgat caagaaactg 120

ttggcaaagc tagaagcaga gaaagtggac gttgattcaa agttcacctc tttaacgacg 180

agtctgtcag agcttctcaa ggaggcgtca caagcttacg aagaatatca cgangcggtg 240

cataaggcaa aggacgagca ancggctgaa gaatttgcgg tgganacnac aaagagagca 300

aaacatattg ggttnagttt cctaattcac ttaattgaac taatgagatt ccntgatttg 360

tgggttaaag cncaatgttc aattaaattg tgggtcctgn gtttaanttc cctgngttgn 420

ntttgtttga gaacnttgtt tggttgccct aaaa 454

<210> 4394
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-F10

<400> 4394

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atgacgtggc taaaacaaat gtggtcaagc attttagtgc tagccgtggt ggtgatcgga 120

gccagagctg tgcccatcac gtatcttgaa tctgcagtgg ctaaaggagc tgtgtgtttg 180

gatggtagcg cgccagcata ccatttcgat aagggatcgg gctcaggagt gaacaattgg 240

atcgttcata tggaaggagg aggatggtgc actgatatag ctacatgcgt tcaacgtaaa 300

agtacaatga agggttcttc taagcttatg aacaaagact ttggtttctc cggtatcttg 360

ggtggcaagc aaagcaccaa tccagacttt tacaattgga atagaatcaa agttcggtat 420

tgcgatggtt catctttcac cggtgatata gaanctgttg attcgacgca caanctgttc 480

tt 482

<210> 4395
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-F2

<400> 4395

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ggcggacgcg tgggctggtt tgggtgctga gataatcgga accttcgtcc ttgtctacac 120

ggtcttctcc gccactgacg ccaagagaag cgctcgtgac tcccacgttc cgattttggc 180

accactccca atcggattcg ctgtgttctt ggttcacttg gcgacgattc caatcaccgg 240

aacaggaatt aacccagcta ggagtcttgg agctgcaatc atctacaaca aggaccacgc 300

ttgggacgac cactggatat tctgggtcgg accattcatt ggagcagctc ttgcggctct 360

ttaccaccaa cttgtcatca agagccattc cattcaagtc cagattctga tttgatttcc 420

ttccttaata aaaacttcat tgttgcatcn tgggttgtaa antnaagctt taaaaataat 480

tt 482

<210> 4396
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-F5

<400> 4396

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atgcatttga gttcgtggtt gtgtgtaccg ggaaatacgg cgacgttcca agaataccag 120

cttttccggc aaagaaaggg ccggagatgt ttcaaggaaa agtaatgcat tcgatggatt 180

actgcaagtt agagaaagaa gaagcttcta ctctcctcag tggcaaaaaa gtagccgtca 240

tcggcttcaa gaaatccgcc attgatttgg ctttagagtc tgctttagct aatcaagggg 300

aaggaggaaa agcttgcaca atggtggtga gaacaactca ttgggggatt ccacattatt 360

ggggtgtggg gcttaacatt cctccctgtt ctactcctcc aagagcttct caagttcctc 420

caag 424

<210> 4397
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-F8

<400> 4397

aaggcattgg cgtgtagaca tgatcactgc tgttcttcac ccttgttctt cggcgtctct 60

ctctcttccc aaccgtcctc ctcttagagt ttcttcttgt tcctccaggt acgccatcct 120

tggtgcaggt tttgctggaa tctctgttgc ctggcacctg cttaaggaga gtccaaaaga 180

gctgagatta agtgttgacg tatatgatga agttggcata ggaggtggtg cttctggtgt 240

ttctggagga ctcctccatc cttattctcc taaaggaaag ctactttggc atggtgctga 300

gtgttggaga gaatgtttag aagctcttaa atgtggctga aacagctgct tcttctagtt 360

accaatctac ggagaacaag agactttagc gagagtttcg gaaattttat ggttcgaag 419

<210> 4398
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-G10

<400> 4398

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gctgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tttggtcaaa 180

cctgaatccg agacacgaaa gggcctttac ttcttgtcga atcttgacca gaacatcgcc 240

gtgattgttc gtacaatcta ctgtttcaaa tccgaggaga gagggaacga ggaagcagtc 300

caagtgatna agaaagctct gagtcaagtt cttgttcatt actatcctct cgctggacgc 360

ctcaccatca gtcctgaagg taaactcaca gttgactgta ccgaaaaaag agtttgtttg 420

tggaaacaca a 431

<210> 4399
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-G2

<400> 4399

caatcttctg atgcttcagt ccaatcaaan acaaaatggc cggaacagtc tgaggagcta 60

ttgggactga ttgtgaattc acttaaaacc cttgatgcgg ctgttccaca aggttgtcca 120

tgagcctana cgacgaccac actctgctca aaanattgct cttgttttag acagagcacc 180

caaacatttg caaccagatt tagttagtct ggttcccaaa ttggttgagc attcagagca 240

cccactggcn gctttagcac ttatanaacg gnttcaaaag cctgaagctg aaccancgtt 300

gcntgaacca atatacaatg ctcttaancc anttagaatg ngacantgna gtgtgggagg 360

acattctatc tcaagtcctt ttgaagcttt tgancnactt agatnangga atcctcttgt 420

nggcggccaa 430

<210> 4400
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-D12

<400> 4400

actttcttcc cctaaaagat ttcatctaaa ttcagtaaac tcatctacga gttcttgttt 60

ttctttaaat tttctaagag agagcctaag ctgtttaata tagtcatcta atatttagag 120

agatggtggg agagagaatg tggtggtggt catcatcgtc gacgaaactc cgatcaaacc 180

ttgaaagatt tctcagagga atcactccaa aacctccttc tttctcttta tcacagagct 240

gcaagaatga tttgaacagt ttgtggatcc atgagaacaa agatgagatt gaatatttca 300

ggcttagtga tctttgggac tgttttgatg agccaagcgc gtatggactt ggatnaaagg 360

tcgacttaaa caatggtgaa tccgttatgc agtactaagt cccgtatcta tccgccaatc 420

aaatctatac 430

<210> 4401
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B5

<400> 4401

caagttagtt caattcagaa tctttgagtt tgaacttttt tttgttggga gaaagagaga 60

aatgtcaata gagaaaccat tcttcggtga tgacagcaac agaggagtaa gtatcaatgg 120

tggtcgttat gtgcagtata atgtctatgg aaatctcttt gaagtttcta aaaagtatgt 180

tcctcctctt cgtcctatcg gcagaggcgc ttctggcatc gtctgtgctg catggaattc 240

ggagacgggt gaggaagtag cgatcaagaa gattggtaat gcatttggca acattatcga 300

cgctaagaga actttgagag agattaagct tcttaagcat atggatcatg acaatgtcat 360

tgccattata ngacataata agaccacctc agccagacan cttcaatgat gttcacatt 419

<210> 4402
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B6

<400> 4402

tttctaacac acaaactcac atagaattca agaaagagag aacgagggag agatgggtga 60

ggatatgcga ggagtgaaag tantctcaaa atggccaccg atgatagtta tggtgacatc 120

acaagtagcg atgggttcgg tgaatgcact tgtgaagaaa gctcttgatg ttggtgtgaa 180

ccatatgatc attggaaaat aataccgaaa ataacgttta ggctaatggt cgatcatttc 240

atcagtggtt tgctcggggc gagtttgatg caatttttct atttgcttgg tctgtcctac 300

acgtcagcaa ctgttgcgtg tgctttggta agcttgatgc ctgcaatcac ctttgctttc 360

gctcttattt tgagaactga gangataaca agatctaaaa gacccaagca ngaatgataa 420

a 421

<210> 4403
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B7

<400> 4403

taagttacac gagactttca atttctctgt atattttcct tttgattccc agaaaatgtc 60

actagattcc actttctagc ttgcgttttc tcgggaatct gaagtttcct tttgtgttga 120

atcgctggga aaaatctgat ggaagcagct tcaagttttt tgtgtagaag tattcggatt 180

ccgtcgacta ctacggcgac ggcggcgttc acgttcactc gaccgccgtt aaactacgtt 240

tgtgttgtcg gagttcgtgt tttcccgacg cggaaggtct tttgcagcgg cgttaatggc 300

ggctccagtg ttactaagaa gaagccacga aggaaaagta acgtttccga taaacttang 360

tttaagaaaa ttgagaagag gaacgataat actgaatctg agagtttaag tgttgt 416

<210> 4404
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-B8

<400> 4404

ctatggatgc tgttccttct atttgccagt tggattgctt ttgttatgtt tgaggacacg 60

cagcagggcc tcacggtctt cacttcatat ggtgcaactc tttaccagat gtttattttg 120

ttcacaacat ccaacaatcc tgatgtctgg attcctgcat acaagtcttc tcgctggtct 180

tcggtgttct tcgtgctcta cgtgctaatt ggcgtctact ttgtcacaaa cttgattctt 240

gccgttgttt atgacagttt caaagaacag ctcgcaaagc aagtatctgg gaatggatca 300

aatgaagaga agaatgttgg agaaagcctt tgggtcttat agactcagac aaaaacgggg 360

agattgataa gaaccaatgc attaagctct ttgaacagtt gactaattac aaggacgttg 420

<210> 4405
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B9

<400> 4405

angcgtccgc ccacgcgtcc gtgtcactta cattctctaa ggctgtattt cttggaaacg 60

gtctggtggc tatcctttcg ggattgttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn agaaattcca catggcttcg tctttgcaac cttcangtta accccaatgt 420

tgggaaa 427

<210> 4406
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C10

<400> 4406

aacgttatcc gccgntaccg gtccaaaatc ccgggtcgac ccacgcgtcc gcgaatctga 60

tcttcgttga tctctgtgga agaaacagat aagagaaaat cgcatgaatt tttttagaaa 120

actaggtttt aatccttcga ttgcaagcta cttcactaat acgagtcttc tgatctcaat 180

tcttagtttt tctcctcaat tgccgatttc tctctttctt ttcgagcaga aatcgttaga 240

tcctttatcg ctgtgtaata gtagtactaa ttttaataat cttgagagta attactccgt 300

tcattgttga atcatggagt ccggaggcaa aactaatcgt cagctgcgta aagctatttg 360

cgtctcaaca gacgagaaga tgaagaagaa gagatcacct tcagtgatag tgattgggag 420

gtggtatggc tgggaatttc aagccgctcg cactcttcaa gatgcttccc ttcaaggttg 480

ttgtantgg 489

<210> 4407
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C12

<400> 4407

cgttatccgc cggnaccggt ccaaaatccc gggtcgaccc acgcgtccgn tctctcaatc 60

caacaaagaa aaaaaaagtc ttcttctttt tttacaagtc tgagaatttt ctacagaaac 120

aaaaatctga ttgtttttcc cactttgcat ctgttttgag gatgccagct acggattttc 180

aaggatcatt tggaaggtcg ttgctaagtt tacggcgaga ccaagttgac tcatcaacag 240

tcgtctccgg aagtagtagc caccacgagc caagcaccat ggaggttgag ctagattcgt 300

ttcaaagaca agtcgctgag aaattcatcg atctcaacgc ttcttcaaac gaccttctct 360

ctctcgaatg gatcggaaag cttcttgatt ctttcctctg ttgtcaagaa gagtttcgag 420

ctatcgtatt caaccaccga tctcaagatc tctaaatctc cgatggaccg tttganttca 480

a 481

<210> 4408
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C2

<400> 4408

cacaacaaat caaaaactcc aagttcttac ctttttccca tttacaatcg gtaaatttct 60

ccgatcacga gatacaaatt tcactttctg atatcttgga tcttccgatc acnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag 180

agaagaaacc atgaatgctt tagctgcaac aaacagaaac ttccgtcatg catctcgaat 240

cctgggtttg gattcgaaga tcgagagaag tcttatgatc ccatttagag aaatcaaggt 300

tgagtgtacg attcctaaag acgatggcac tctggtttca tacatcggat ttagggttca 360

acatgacaat gctccgtgga cccatgaaag gtggaatcag atatcatcct ganggttgat 420

tca 423

<210> 4409
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C4

<400> 4409

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gggattaaac taacttctca ttctcattcc accttcttct tctttgttct tgtgtgctac 120

taaaaatcaa gaaagcacaa ggagacaaat aaacctatcc atttcattac caaacaagcc 180

gtacannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc tctcttcaac tagacttatt actcggatca 300

gctattcatc ttaaaaacca aacttcattc aagacccaac agggagattc aagaagctta 360

gaagagtgga agcatatctc agcaaaatca acaaaccttc catcaaaaca atccacaagc 420

ccaagacggg agatgtaata gaatgtgtac cgtctcattt a 461

<210> 4410
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-C5

<400> 4410

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atccaaagag aatcctgact gacgttgaac aaacacaagc ccttgtgcgt aagctagact 120

ctgagaaaaa aattgaggaa aatgttttac aaggttcaga aactgaaaaa tcaggtagag 180

aaaagttaca cagtggttct actggtccag ttgtaatcat aaggggggttg acatctgtga 240

aaggccttga gggtgttgaa ttacttgaca cgcttgttac atatctatgg cgtgttcatg 300

gtctggacta ttacggaaag gttgaaacaa atgaagctaa agggtttgcg gcatgtgaga 360

gctgaaggaa aagtttctga tgcaaaagga gatgagaatg aaagtaaatt cgactctcat 420

<210> 4411
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C6

<400> 4411

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agcttttgac ggcgttgaaa atcaaatgaa cggtccagat tcatctcctc gtctctctca 120

agatcctcgt gagcctcgct cattattatc atcttcttgt ttcccaatca ccctcaagtt 180

cgttgatgtg tgttaccgag tcaagatcca tggcatgagt aacgattctt gtaatatcaa 240

gaaactatta ggattaaaac aaaaaccgtc cgatgagaca agatcgacgg aggagaggac 300

gatactaagc ggagtcaccg gaatgatatc acccggcgag tttatggccg ttcttgggac 360

catcgggaag tggcaaatcc tacgctacta aacgcagtcg canggagact c 411

<210> 4412
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C8

<400> 4412

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aaatcgagat ggctttagga aggtttgaaa atgcagttat ggctgctgag aaagctagcc 120

aaatcgatcc aagatgcaac gaagttgcta tgttacataa tactgttaca ttggttgcta 180

gggctcgtgc tcgtggcaat gatctttata aatcagaaag atacactgaa gcaagttcag 240

cttatgctga aggccttagg cttgatcctt gcaacgctat tctatattgt aatcgaacag 300

cttgttggtt taaacttgga atgtgggaac gctcgattga agattgtaac caagcgctgc 360

gttatcaacc aagttacaca aagccacttc ttcgganggc tgcctcaaat agcaagat 418

<210> 4413

<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-C9

<400> 4413

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attctttctt cttcattatt catttctctc gttattcgtt tcgtattttg tttgtgttta 120

tgattttacc tccttagttg ctgtgagatc aagaagtggt gaaagaaaag ttactaaatc 180

tggatgttat ttgattgtcg tcgttggtct tgagctatga ggagcgttaa taatagtagt 240

gtcgacaccg tgaacgccgc cgcttccgcc atcgtctccg ctgagtctag aacacaaccg 300

tcgtcggttc aagaaaaaaa ggggaagctg gtggagcttg tactggtgtt ttggatncaa 360

gaagaacaat aaaaggatag gccacgcggt gcttgtaccc gaaccagctg catcaggagc 420

tgcggtggct ccagtccaaa actcttcgan gcaattctac ttcaataatc aaggcccttt 480

aaaa 484

<210> 4414
<211> 294
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-D11

<400> 4414

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tccgcggaaa gccggtaccg gtcaatgcag atgagagtga agaaagttca aaagcatttt 120

ctgtggcatg ctaagccaga gaagtatgat atgtttcaca tgattcttca ttcaatttgg 180

tataaccgag ttttccaaat ttctgtttaa aaattttgtt caacaattca atgtacattt 240

tttacagata aaatttctga gtaaactcaa tttacaaaaa aaaaaaaaaa aagg 294

<210> 4415
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B12

<400> 4415

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catggatgat tggcgtccag gcaacatata tagacgacaa tcgcctttgc tgcagcagca 180

caagacaaga aaaagtgtgt tccatggcat gatcactgca tagatgatcc tcttgtccca 240

gagcaaagac ggcggtttct catcgcattc atggcgctcc gatactcttt tggggcagat 300

tcttggaccg gatactgaac ttatcattag ttttgttaga atgggagtat gattaggcca 360

ttcattacag tttatgatta gaggcatgcg tatcccttga gctttggagt aagaaaatgg 420

ggaaatggta tagatgtgaa tgaagtataa tttttccttt ggnatcatat caccatcaat 480

tgtc 484

<210> 4416
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H11

<400> 4416

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agttcaagaa aatggctctt agagtcattg ctgagagctt atctgaagaa gaaatcgccg 180

gcttgaaaga aatgtttaat atgatagatg cggacaagag tggtcagata actttcgaag 240

aactgaaagc aggactaaaa cgagtagggg cgaatctcaa agagtctgaa attctcgact 300

tgatgcaagc tgctgatgtg gacaacagcg gaacaataga ttacaaagag ttcatagctg 360

caacattaca tctaaacaaa atagagagaa cagggacaat ttgtttgcan gcttt 415

<210> 4417
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H12

<400> 4417

ttacaatgtt angccggccc gtnnagnccc aggtcgaccc angcgtccgc ccacgcgtcc 60

gctcttctca ttagatcctc tctctctctc tctcaaaaag agaaaatctc agagccagaa 120

gaagacaaat atatcttttc tattcctcag atctctgaaa tcgaagtttc tcgaactgtt 180

ttgttttgtt ttttttccga tgaggtgtaa gagacacaca gtagatttca gtagcagtat 240

cggcgtttgt gcttcttgtc tccgtgaacg actctttact ctcgccgttt caaccgccgc 300

gtctgaaaac gacgataacg atcatcgtca ttctcgtatt tctccacctc ctctgctttt 360

tcctcgttct gtttctcctt acgttgctcc tagaaaatcn gacgccggaa ccg 413

<210> 4418
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H4

<400> 4418

tatgcctgta anggtccagg gtncacgggt ccntccncnc angcgtccgc tcgatccttc 60

tcactaaagc gatcgtaccg atcttaatat ctttnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnagcaa taacggtggt tcgaacccat 180

ctgcaggaga agaatttaag gatatgatta agggagtgac taagttcttg atgatggtga 240

ttttccttgg aaccatcatg ctttggatca tgatgccaac actaacctat cgaaccaagt 300

ggttgccaca tctgcgtatc aagtttggaa catccactta ttttggtgcc acagggacga 360

cgcttttcat gtatatgttc ccaatgatgg tcgtagcttg tttgggatgt gtctatcttc 420

acttcaagaa tcgaaagtcg ccacaccata tccataaggg agacgaaggg aaggantgtt 480

ggagtta 487

<210> 4419
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-H5

<400> 4419

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ctaataaagg aaggaaaaga agaagaagag aagctatgac aacaatcagt cttcgcaaga 120

gtaacaccag actcccaccg gaggtgaatc gcgtgctcta cgttcgtaac cttcccttta 180

acataacgag cgaagagatg tacgatatct tcggcaagta cggcgcaatt cgccagattc 240

gaatcggttg cgacaaggcg acgaaaggta ctgccttcgt cgtttacgag gatatctacg 300

atgccaagaa cgccgtcgac catctctctg gcttcaacgt cgcgaatcgg tacctaatcg 360

tgttatacta ccaagcacgc gaagatgaag caagaagttt gaccagaaga agagtgaaga 420

tgagatcacc aagttgcaag gagaagtatg ggagtc 456

<210> 4420
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-H6

<400> 4420

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tctagattcg attccgattc caaagaacta gtctccggcg tgtaatctct gatcgttgaa 120

gatccaagct acgccgcatc ttactcgccg gcggcttgaa tcatggctga taggagaaac 180

aggtgtaacc agatcctcct tttagcatac cagagttttg gcttagtgtt tggagatttg 240

agtatttctc ctctctatgt gtataaatgt acattctacg gaggattgag acatcaccaa 300

acagaagata cgatatttgg cgcgttttct ttgatatttt ggaccatcac tctcctttca 360

ctcatcaagt acatggtttt tgtgttaaag tgcaagatga caatggtgaa aggagggatc 420

ttggcttgga agccttgcc 439

<210> 4421
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H8

<400> 4421

ccnaaaagcc aaagtcccgg gtcnacccac gcgtccgggc ttggtacgat tgacttctca 60

ttcaccttct tcttcttcaa gtgtgctcag aaggcaagag ttcttggtac gaacgctttg 120

tgggtcacca atcatcagag caatgagttc cacatcagag gccgacgctg agagtgttct 180

tagaaccgtg acgccatcgc tcgatctcaa acgacacaaa ggccaagctg ggaagatagc 240

tgtgattgga ggatgtcgtg aatacacagg agctccatac ttcgctgcca tttcaagctt 300

tgaaaatcgg tgctgatttg tctcatgtat tctgcacgaa aagatgcagc tcctgttata 360

aagaagctat agtcctgagc ntatagttca ccctggttct tgaggaatca tatancatca 420

gtcaactcaa ntgaagaaga taaaagagaa gttcaagata aatgcttggg anaagtcggt 480

aaa 483

<210> 4422
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-A1

<400> 4422

ttctcttttt tttttcgtga tggagaaaaa cacaccggtg aggaaaccac acatgtcgac 60

ggcggatcta ctcacttggc cggagaatca accgtttgag tctcccgccg ccgtatcttc 120

tcgctccgcc gccagatcgc accagccgtc ggatggaata agcaaagtcg tatttggagg 180

acaagttaca gatgaagaag ttgagagctt gaanaagagg aagccttgtt caaattacaa 240

gatgaaagag atcacaggga gtggaatatt ctctgtgtat gaagaaaatg atgattctga 300

gttagcaagt gctaattccg ccacanacgg caaatcaaga actttccagc aaccaccaag 360

cagcaattat gagtcacatt tcatttggag aagaaganat tgttacaccg aanaagccaa 420

cgacggtgcc ana 433

<210> 4423
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-A10

<400> 4423

acttcttcnt cntctccttt canaaaccca gcgaccanct tcttcaccgg ttatggtgac 60

ttcggaggga ttagcaagcg ttgattcntg gttatatcgc caaggtttca acnttgattc 120

atggntgctt tctgatacct tctctcacga caacgatttg ctcgcaagag ctctccatac 180

caccgtcaca gnccctcata ctctcactcc ttcctctgct ttcttcgatt cctccgctgt 240

ttctcaccct tcttccacta nacacactct cctctagcgt ctccggtgct tctgatccaa 300

gaaatcatcn gcggaggagc taaacggaaa cgtaanngcc ttcttaccga cngtaaagcn 360

gccaagcgcn gcgctcgtgc ttccaagaaa tctcagacta ctttcataac ggcngattc 419

<210> 4424
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-A3

<400> 4424

agggccgtta tgtangcaan aagttattac ggcgttgact ttcacaacca acaagacttc 60

ttatggacct tacggnacca aatccggttt ccangatttc tgctccggaa gccaccggta 120

aacagatctc cggtttcctt ggtaccancg gcaatgttct caacaccatc gacgttcact 180

attctcccat acctactgga ggaactggca ccggaggaac nggcaccggn actggnaccg 240

gaactggcac tggaactggn actggcaccg gaactggcac tggaantggc actggaactg 300

gnaccggagg aactggcact ggaactggca ccggtactgg gaggaactgg cactggaact 360

gngcaacgga ngaactggca ctggncaccg gcactgggga ctggcaatgg gaacccggca 420

ctgggantgg gca 433

<210> 4425
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-A5

<400> 4425

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cgtgggtctc actaccacga gctcttcatc tccacttcct tctccgacaa cgcttcngtc 120

gctctaaacc tccacaccct cacgcgccgc cctcatgtag ccggtacagt ggccaacgct 180

gaagcagcgg aatatgttcg ctctgttttc acctcctctg ctctcaaatc acacgtcgtt 240

gcttaccaag tgtctctaac ttacccagtt catcgctctt tggtactaac gccgacagac 300

tctgcaaagc caatcacttt cttgctggaa caagaaaaac tcggagacaa tccttatgct 360

aatgaagtga tgcctacttt tcatggatac gctaagtcag gtaacgtttc aggtccagtg 420

gtttatgcaa actatggacg agtggaagat ttcgtgagac tcaaagaaag atatgggcgt 480

taatggtctc cgggagcccg t 501

<210> 4426
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-A9

<400> 4426

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tcaatactca acagtcaagt tgcaagggcg tttagtantt ctactgctgt tgangangca 120

tcaatatctc acattccagt gctctcaggg tttantgtcc ccaaattagt tctacaagtg 180

gtgtctgttg attcantttt ccggataaca agtccaagct ttaatgagct tgtcattctc 240

aaggatactg ctttttctgt anacaataaa gctatganaa tttcacnagg aatgcctaat 300

gatgcatttt tctcatcatc gttaccangc agattgtctt cagcgtngac accantgaac 360

tctatttcaa ggaacctgga aaaaactgcg gtgggntccn cgaaatgnca aggttctacn 420

catccaaaga agatgggtg 439

<210> 4427
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-B1

<400> 4427

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cgtattaaac ttggnccatt ctctctagcg ctttttgctt atggcaaagc taatggttta 120

cttacaatga anganttcaa acgaagccgg ctcctcaang tatgttggaa atnacaatgn 180

tccagacaaa tgttnatana aaattccgtt tcatgttgtt ttgactccaa tcaagatggg 240

gaaattnagt gtggatgact ttttgcgggt tctgcatcca aagaaanaag gaccttgcaa 300

aagncaattt gcaaaaagga ttggccccgg tactcctcaa taatggatgg ggaaagggtc 360

caaagaaact ggttcctcaa ccggggaaaa actcctcctt cctccnttgg ggggcntaac 420

cgatgaaact ccgaagacta ttttttgaag gtccttgggt tcaaacgaat tgagcccaa 479

<210> 4428
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-B4

<400> 4428

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tgtctctgtt ctgttccttg cctgcncgag gtgtgcatct tcttggaatc agctgacttt 120

gcggtcaatc ggatttcttg ggattgtttg gagaaacttt ggaggtgatg gacaacanna 180

atgatcagga tattgatgtt agatcagtgg ttgaagctgt ttccgccgat ctttcctttg 240

gtgctnccct ctatgtgggt tgaagaacat gtgcatgcgc tgccaacaaa atggaacaan 300

cagattccta ttgaccttaa atccccaact caagnaaagg cntaataacc tgcaattgga 360

tntccgcaat tnnngggaaa ggaataatga aattcaattc ccnaggcaaa atcnaacccn 420

ttgaannccgg tannanccaa aaggtccaac ctgggaagtn aaaataattg acccgcaaat 480

tntgaaaa 488

<210> 4429
<211> 449
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-B5

<400> 4429

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atgttatctg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnng tgaancagcg attcaagctc gganaagang angagcagca nnaangttaa 300

gttgggcntt gaggatgttg aagttgataa ccctaatgcg gtttctaact ttcggatttc 360

tncgcctttg agggataagc ttaaggcnaa ntggtattga agctcgtttc cncgangcaa 420

gcttccangt tcggatatgg gtccccgaa 449

<210> 4430
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H10

<400> 4430

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cgagagaagc agaagaagaa aatggcggag actgtacatt ctccgatcgt tacttacgca 120

tcgatgttat cgcttctcgc cttctgtcca cctttcgtca ttctcctatg gtacacaatg 180

gttcatcagg atggttctgt tactcagacc tttggcttct tttgggagaa tggagttcaa 240

ggacttatca acatatggcc aagacccact ttgattgctt ggaaaattat attttgctat 300

ggagcatttg aagctattct tcagctgctt ctgcctggta aaagagttga gggtccaata 360

tctccaaccg gaaaccgacc agtttacaaa gggcaatggt ccgggntgct taatt 415

<210> 4431
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-F4

<400> 4431

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ctctttctca aaatcttgtt tatttttta ataaaacaaa gaaattaaaa agatgatggt 120

tacattagta ctaaagtacg tcctcgtgat agtcatgacc ttgatattaa gagtcctata 180

cgactccatt tgttgctact tcctcacacc aagacgaatc aagaagttta tggaacgtca 240

aggcatcacg gggcctaaac cccgtctcct caccggaaac atcattgata tctccaaaat 300

gctctctcac tccgcttcta acgactgctc ttccatccac cacaacatcg tcccacgcct 360

tcttcctcat tacgtctctt ggtccaaaca atatgggaag agatttataa tgtggaacgg 420

gacaagaacc gagactatgc ctaacgggag accgagatga ttaaagaant ggctaacgaa 480

gcacaatccg ggtcaccgg 499

<210> 4432
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-F5

<400> 4432

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gatctaagag gaattgatcc aacatgggta acacagataa gctgatgaat cagatattcg 120

atttgaaatt tacgtcaaag tctctgcaaa ggcaatcaag gaagtgtgag aaggaagaga 180

aagcagagaa attgaaggtg aagaaggcta tcgagaaggg taatatggat ggtgctcgga 240

tctacgctga gaacgccatt cgtaagcgta gcgagcagat gaactatctc cgtctcgctt 300

ctcgccttga cgctgttgtt gctcgtcntg atactcangc taagatgacc accatcacca 360

aatccatgac caatatcgtc aaatcccttg agtcntctct tgccacaagg aatctacaga 420

agatgtcaga gacaatggnt tcaatcnaga aacaatttgt gaacatngag gtccaanctg 480

agttcaaggg gnaaaggca 499

<210> 4433

<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-F8

<400> 4433

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ccaacgatga atctttggac caccgacgac aacgcttcta tgatggaagc tttcatgagc 120

tcttccgata tctcaacttt atggcctccg gcgtcgacga caaccacgac ggcgacgact 180

gaaacaactc cgacgccggc gatggagatt ccggcacagg cgggatttaa tcaagagact 240

cttcagcaac gtttacaagc tttgattgaa ggaacacacg aaggttggac ctacgctata 300

ttctggcaac cgtcgtatga tttctccggc gcctccgtgc tcggatgggg agatggttat 360

tacaaaggtg aagaagataa agcaaacccg agacgggaga tngaattcgc cgccgttttc 420

nactcccggg gggttaagga gtnc 444

<210> 4434
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G1

<400> 4434

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ctctctctac gaaggcggat gcacgcttct ctgtctccct ccactctcga gtctcgtccc 120

ctctgtgtgt gattatcttc tttggtgttg ttgatgctgg agatctctta ttcagattga 180

tcacgcctga aaggtttatt aggatttggc aaaggatgga tagaatcaac ggtctatcag 240

atctcttctg atttgaattc tagggcgttt gtttggaaga atcattgctt ctttggttga 300

ggatctttgt gaaacgctgg gattttgtgt tctagacttc tagggttttt gaagcaagct 360

gtagcataag gaaaattttg agaatgaaag gtgaaagaga agttaagaat ggtgtttctg 420

aagaagaaga gagaagtgaa agaggaagag agtgatggga acggtccgaa tcaacaactc 480

caacaactaa ggttnaa 497

<210> 4435
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G10

<400> 4435

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aaggacctaa agataagcca attaggtgtg gtgaaacaga ggctaaagca taagaaagta 120

cttatcgttc ttgatgatgt ggataatcta gagctattaa agactttagt gggacaaacc 180

gggtggtttg gacctggaag cagaattatc gtgaccactc aagataggat ccttctcaag 240

tctcacaaga ttgatcatat ttatgaggtg gggtacccat cgagaaaatt ggctcttcgg 300

attttatgtc gatctgcttt cgacagaaac tccccacctg atggtttcat gcaacttgca 360

aatgaagtta canagcttgt tggtaatcct cct 393

<210> 4436
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-G12

<400> 4436

caagtcgtct ttgttccctt attgatagaa taatcaaaaa tccgagtcgg agacgacgaa 60

gacccgagtt ccagctatta actatgcaga taccatcaag agagcatagt ttcattctat 120

ttctcttcat atctgctttt gtaattggtg ctgcgtctgt acctgtacct gattctaatt 180

gctacgctct cgacaattca agtcgtcttg tcgattttag cagctggatc ggtcatccat 240

ttgaatatga tggcaaggaa tttgatttgg tggttagatt ttgcaaggat gtggaaacaa 300

gagggcaggc gggatatgtt gattttggga cgatttgacc cgttaagcta ctttgtttct 360

agttctgaaa atttcgattt cgtgcaaggg ttttaccatg ggcgaactgt caaa 414

<210> 4437
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G2

<400> 4437

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gaaaaggatt gacatttgac agcggtggct acaacattaa aaccgggcct ggctgcttaa 120

ttgagctcat gaaattcgat atgggaggtt cagctgctgt tcttggcgct gcaaaagcca 180

ttggtcaaat taagcctcca ggtgttgagg tgcactttat tgtcgcagct tgtgagaata 240

tgataagtgg tactggaatg agacctggag atgtcctcac agcctcaaac ggaaagacga 300

ttgaggtcaa caacaccgat gctgaaggtc gactaacact tgcagatgct ttagtttatg 360

cttgcaacca gggtgtcgat aaggttgttg accttgcaac attgactggg gcttgtatta 420

atgctccttg gnacatcaat ggcaagcata tatacaccta atgataaacc ttgcaaaagg 480

angtg 485

<210> 4438
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G3

<400> 4438

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tancacncga taggtcagcg aancgtgagc gggcgcggag aaggaaaggc caaacacttc 120

ggccgaacgg gaatgagcaa cgacgaaatg acaagatgag gtgctccggg caccccccatt 180

tanatttaga aagaagggtc gaaggttttg ggcctctagc tttccccgtc ccccctgagt 240

tgggtggtgc ttgtgtgggg ggcgtgccac cagaaatcgg gcttgaagct ctcgccttac 300

caangagccg acagctgatg gctatggctg ttggtcacga ctactaccaa aaggttccaa 360

tgaagatgaa tatttcacat ggaagagtgt gcatctgtat gttgggtgtt ctctgtcgtg 420

cgacccggcg gcttatgttc nacctgtggc ccangcctcc taattgttca aggcggcngc 480

ttnaactccg aatccattcg g 501

<210> 4439
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G5

<400> 4439

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tggagtccgc cgcactatcc cgaatcggtc tcgccggact cgccgtgatg ggccaaaacc 120

tcgccttaaa catcgccgag aaaggtttcc caatctcagt ctacaatcga accacttcca 180

aagtcgacga aaccctagat cgagccgccg tcgaaggaaa cctcccagtc tccggccaat 240

actctccccg cgatttcgtc ctctcgatcc aacggcctag atctctcatc atcctcgtca 300

aagctggagc tcccgttgac caaacaatcg acgccttctc cgaatacatg gagccaagga 360

gattgcatca tcgacggtgg aaacgaatgg tatcaagaac acagagcgac gggtntccga 420

agctgaacaa aaaagggntg 440

<210> 4440
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G6

<400> 4440

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agtattgtag agtgaaaaca aaggcagagt ctgctgcacc tgttccacgt cctgtcccac 120

tttctaagct aactgatagc ttcttagatg gaacaagcag tgtgtatcta gaggagttac 180

aaagagcttg ggaggctgat cccaacagtg ttgatgagtc gtgggataac ttttttagga 240

attttgtggg tcaggcttct acatcgcctg gtatctcggg gcaaaccatt caagaaagca 300

tgcgtttgtt gttgctagtt agagcttacc aggttaatgg ccacatgaag gccaagcttg 360

atcctttagg tctaagagaa gagagagatt ccagaggatc tcacgccaag tctttaaggg 420

tttactgagg ctgatcttga tcgggaaatc cttccgggtg tatgaagatn tcggttttcc 480

<210> 4441
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G7

<400> 4441

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gccgcagtca gaagcattac tttgcaagaa caagtgtgta aacaaagatg aggagctccc 120

aaaacggcgg cgcaatgggt ggacgagctg ccggaaccgg cggaggagga ccgtcggctc 180

cagttgacaa agaagttgac tacgctcagt acttctgtac ttactccttc ctataccacc 240

agaaggatat gcnctccgac cgtgtccgta tggatgctta cttnaacgcc gtcttcnaga 300

acaaacanca ctttgagggc anaacngttt tagacntggg caccgggant ggaattcttg 360

caatttggnc agctcaagct ggtgcnagna aggtttatgc ccgttgaacc tactaanatg 420

gctgatcaag ccncgtgccc ttgtcaaagc ca 452

<210> 4442
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-G8

<400> 4442

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agatagagag ataagaagaa gccatgggtt cgatttcgat gcacataact ccctctactg 120

ctctccctat acgccatttc agagctagag tctcttgttg ctcttctggg catgtatcat 180

ttatcaaaga tgttgctgcc actgaacctc caatgcatct tcatcactta ctcaaagtgc 240

ttcaaacaag aggtgagaca atcatatctc ctggagctaa gcagggactg atccctcttg 300

ctattccgct ttcgaagaat tcgtcaggct ctgttactgc gcttttgaga tggcctactg 360

ctccaccaag gaatggatat gccggttgtg gaagtttgga ggagtggagt cangcttata 420

nctagaaatg tnaaatgaat acattcaccg ggattccaat ttgaagaaga tgcacaagag 480

tttgnaagaa c 491

<210> 4443
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-H1

<400> 4443

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gacttttgcg ttgaacactc tgacttacag agagtattcg aacacaggag caggggctgg 120

aactgcaaat agagtgaagt ggaggggctt taaggtaatt acggctgctg ctgaagctca 180

aaaatatacg gctggtcagt ttattggtgg tggaggctgg ttatcgtcga ccggtttccc 240

cttctcgctc ggtctttgag agattgttgt gtaatgtgtt cctacgtatt gttggctaca 300

aaaattattg attaatattg tatgaagcaa atcgtgttgt cctctttgtt ttgtttgggt 360

tgtgtacttt ctctaaaaaa aaaaaaaaag g 391

<210> 4444
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-F3

<400> 4444

ctgttacgcc tgnccgtacg cctccgaaaa ttcccaaggt cnacccacgc gtccgcctta 60

ttttgagttc ggattaaatc tcgatcgcga tttggtccaa tatctcctag catcgagaga 120

tttctattct ggctaaattt tgtgtttttct caggtggata agaaattttc tctttgtcgt 180

tttcctcgat aattttcgga ttacggcgac gaatcagatt gtttttttggt ttcaaatttt 240

ctgatatttc caaaaaaaca aaaaaatctg atttttgaga aaaaagcaat gcaacggatc 300

gtggacaacg ctctcgctgt aaccaaagaa tcagtaaaaa ctgttacata tgagtctttg 360

aataacattg cgaggtgcat aaatgggagt atcagctctt ctgttgaccc ttctcccaag 420

gaaggctaat attcttgaan ggcttacatg gctggggaac tcaagcctac gtttcgtggg 480

accacgttta acaacgggtg ggtnc 505

<210> 4445
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C2

<400> 4445

aactgttacc ctgccgtacn gctccgaaat tcccaggtcg acccacgcgt ccggtcggtt 60

cttccgtaac gcagagctag agaaaacatt ggatcaagac ttgtctaggt tatatccaga 120

gcattggagt tactttcaag ctcctggatg tcaaggcatg ttaaggcgta ttctactctt 180

gtggtgcctt aaacatcccg agtacggtta tcgacaaggg atgcatgagc ttttggcgcc 240

actgctttat gtacttcatg ttgatgttga tcgtctctct gaagtgcgta aaagttatga 300

agatcatttc atagacagat tcgatggttt atcttttgaa gaaagagata ttacttacaa 360

ctttgaattc aaaaagtttc tgggaggatt tcacggatga tgagattggt ggtattcang 420

ggaattcaaa gaaaataaag agtctagatg agctcnattc cgaaatcaat ccaaatgtga 480

anggttaagt taatgcctaa tg 502

<210> 4446
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C4

<400> 4446

cgtagcctcc aaaattccan ggtccaccca cccntccggn acaaggaaag gaaagancag 60

gaattgaggg cncttgccca aaaanctcgc tccgaaagaa ccggtgctgc tatgantatn 120

cctgtctcat ctgacagggg taggantgaa agtgttgacc caagaggtga ttatgacaac 180

tatgaccagg atagaggaag ggaaagagaa agggaagagc ctcaagagac gagggannnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnaangt tggatgccaa agatgctgcc atggggaaga agagcatatc accagagaca 360

gagaccgtga catcagtgag aaagttgctc ttggaatggc atctactgga aggaaaaggt 420

gtggtgaagt tatgtatgat naacgtccgt ttaaccaaga caaagggatt ggctccnggt 480

ttcccg 486

<210> 4447
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C7

<400> 4447

acaactgtcn acgcctgccc gtaacggtcc aaaaattccc gggctcgtct ccctccatcn 60

tgctatggat cgtcaagccg gagagggaga atgatgaact accatctccg gcgataattt 120

ccgaccgant tctggtaaat ggtgttgtca ccccgttaac gttgaccgcc gagggaaagc 180

tacnatcnac ggaatctgga cggcggaaat cnacnttggc aaaagaaatc ctgantttcg 240

tcgtggaagg taacaaggtt agagtaaaga ccttggttga gaaaggagga ggaatttgct 300

gtaaaggaan tgctgganat tatncaagga acgatttcgt tttcgagcct ctctctgatg 360

aatctagaaa gctttggtcc gataagttcc atcaacacct cgtctctctc ggtcgggcaa 420

agaaattgct gtgtttgtga aaccgtttgg cggggaanaa aacancgaga angatatttc 480

aagagggaag taaancccat 500

<210> 4448
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C9

<400> 4448

gtaccggccc aaaaattccc gnagtcnacc cacgcgtccg cnttcctacg aaaactcaaa 60

gaaacaatgg cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nngctttgga tccttcgttt cttcgtcttt cgacctctct ccaaagaagt 180

agctttcctc aagattttcg gtttggtgca gcttcgagtg cttatcagag tgaaggagca 240

gccaacgttg atggaagaga accaagcata tgggatacgt ttactaaaca atatccagaa 300

aagatttcag atggtagcaa tggcgacgtt gcagacgaat tttattaccg tttcaaggag 360

gacgtggcac atatgaaaga aatagggctg gactcattta ggttttcgat ttcttggtcc 420

anaatactac ctcgangtac ggttgctgga gga 453

<210> 4449
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-D11

<400> 4449

gaaaccgtga tttgctcaaa tcaccaaaat aatactctct tcaatctcca tcttcccgtt 60

atctccgcca cgtgtttctc tctttttgtc tcctttcttc ttctccctaa tcttaatctc 120

agaaaccaac aacatcagta gtcagtaccc ccacacacac agagagaccc tttttcgatt 180

ctccactttc tcataaagga acgatttttc gagatgtggg tcagtgttga tttctctcct 240

cttggcttat gagtttcgaa ttcgaatctc aaactaaaaa gctttttgaa acaagcaaca 300

aatgttactg acacctaaga tgtttaagtt cttggcttcg acaagatgtg aagaagatcc 360

tcaaacgcaa agacagtgat gctggtgaac gaagaaaaag cattgggagg actt 414

<210> 4450
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-D3

<400> 4450

ttacgcctgn tcgtacgccc caaaaattcc caggtcgacc cacgcgtccg ttttttctct 60

ctttctcata acaacaaaaa aacaaaaaaa aaacctaatt agtttttttct ttctgcagag 120

attatggagg taccggtgat taatagaata agagatttcg aagttggtat aaactcgatt 180

aatgatcctt cgtttctttc tcgatctgtt gctgtttccg gaatcggaaa gctacaccaa 240

gcttatggtt tttggaaatg gggagctttg attatcgcat ttctagctta tttcaccaac 300

tttgttagta aactcaacag tctagttgtt aggttaagaa aaatagatgt ctctgtttcc 360

tctccaactc tttttgatga ttacgatagc gattccgatg tttcttgttc ctctaacgtc 420

tcctctgacg atgaaaaaga cgaagaagat gaaggctgat gatgaaagaa tganggatgt 480

tgactcnatt cttaaacc 498

<210> 4451
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-D4

<400> 4451

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caccaaccat tgttacactc taagagaaga gaagagagaa ggaaaaatgg acggtgtatc 120

accaaagttt gtgttgccgg agacattcga cggcgtgagg atggagatca caggccaact 180

aggcatgatc tgggagcttg taaaagcacc agtgattgtc cctcttcttc aattagctgt 240

ttacatctgt ttgcttatgt ctgtcatgct tttatgtgag agggtttaca tgggaatcgt 300

catcgtcctc gtcaaactct tctggaaaaa accagacaaa cgttacaagt tcgagcccat 360

tcacgatgat gaagagcttg gtaagctcca atttccccgt cgtcctcgta caaatcccca 420

tgttcaacga acgagaggtt tataagctat caataagagc ggcgtgtgga cttcctggcc 480

gtccgattgt ctcgtgaatc aa 502

<210> 4452
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-D8

<400> 4452

aatgttcacg cctggccggt aacggtccga naattcccgg gtcgacccac gcgtccgctt 60

aaaaagagct ctgctttgag atcttagcca ttaagttctc ttgatgatgt ctggttcaag 120

attagcctct agactaataa taatcttctc aataatctcc acatctttct tcaccgttga 180

atcgattcga ctattccctg attcattcga cgatgcatct tcagatttaa tggaagctcc 240

agcatatcaa aacggtcttg attgctctgt tttagccaaa aacagactct tgttagcttg 300

tgatccatca gctgttcata tagctatgac tctagatcca gcttacttgc gtggcacggt 360

atctgcagta cattccatcc tcaaacacac ttcttgccct gaaaacatct tcttccactt 420

cattgcttcg gggtacaagt cagggttccc tcgccaagaa cctancctcn gtttttcctt 480

ccttgagttt caaagtcca 499

<210> 4453
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-E12

<400> 4453

taatgaagaa aactgcgaaa gcgtgcagat aagagagatc tctctgaaca gatattatag 60

ttgatagttt gcgtactagg agtctgtgaa agcttgcaca ggaagaaagc aaatcgggaa 120

agaaaggaat ctgaatcgga gaagcaatcg aggtttacga ttaccaaatt ctgatctaat 180

ctgattaatt gtggtgattt ccgatggaag aagacggtgg tggcggcggt gcgaaagttg 240

gaatgctgga gaatttcatg aagacgcatc agagttcttt gaaatcgtta ttccagagaa 300

agaaatcatc ctctggtcgt gatggagatg cttctccgtc gcctatcgct tccccgaaac 360

ctattccgca gctctctcct tctcgccaat tccgtcgtct ccccgcctgt tcaaaa 416

<210> 4454
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-E3

<400> 4454

ctgntcgtac gccccgaaaa ttcccaaggt cnacccacgc gtccgaaatt ctcaancttc 60

tatacaaacc tttctcaatt cttcttgaca ttagggtttc ctctttcttt gagagggcta 120

aaaccctaat atatccctct cattgactaa agagttaagc ctactctatc tactttggaa 180

gcgaaattca aagggtaagg naaaagccct tgaaagagga agaaagatac aagatcctca 240

aagaacctaa agatctaaag gntgtaagaa gaaaaacaaa tggngtcgtc atcaaactca 300

tacaactcac catgcgcggc gtgcaagttt cttcgccggg aatgcatgcc gggatgcata 360

ttcgcgccat attttccacc ggaggagcca cacaaattcg ccaaagtcca caaaatcttt 420

gggngcaagc aacgtnaacg aaagctcctc aannnagntc ctccctcanc aangttgaaa 480

gangcagttc aactcccttа 500

<210> 4455
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-E7

<400> 4455

acgcgtccga atatttcgta aaaaaaaatt ctccgtttag acattattgt tcgnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt attgccgtgt gatactgtag 300

attgtttcac ctttgaagca acaccttcaa gagtcaaatc cttttctttc ttattcatct 360

tcccttcttt ttcggtatat tataaacact tttgaaaatg ggatcacaac atttcctatg 420

gtgtancaat tgtgaacaaa gaatcagcta g 451

<210> 4456
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-E9

<400> 4456

aagccggcga gttcatggaa caagttttat tactattcca aaactctcag gtttctctat 60

tgtatctccc aaacaagttg aggtagagta tgcagatgga accaagttca atttttcatc 120

agagtttctg agaattcata gtccagctgc tgatggaaaa gtcagatcaa tcggtggtga 180

aaaggtgata tctggaaggc ggtatgtagg aatcatgtct gcagaaccgg ttggaaacta 240

cggggtaagg tacttacaaa tactgcaagg tcattatgag ttagccatca tgaagattca 300

gatacctaag tttattgttt tgcttataac ttaatgcggt tgggggctaa atctttttg 360

aggattcaag ttagtgtttg atgacntgca tanaacaagg atatatccat g 411

<210> 4457
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-F2

<400> 4457

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caccaacaaa acaaaaaaaa ggttttgatc aaagagatca ctgttaaacc ctcacaaaat 120

ttcctcagga ctaataatct gcgatcgatc gtcgttatga taagtctcta aagaagattg 180

atgattctgg attacattat catgggagga gcttgttcaa ggaagagaga tcaacaagtt 240

gaggatattt taaacagagg tgtctctgga aaatatagca agagttcaag ttcgaaatgg 300

ttagctactt cgctctctag gtctggctcc gatgttaaac ggaagaatgg agaatgcccg 360

tcgcttatgg gagctctgtg tccgcaagat acaggaggac attgataaga tataccaagt 420

tctctgacct anctagagat atcagtcagc agatttttga tgaatggnta atcccaagag 480

gttaccttta aagtcccctg 500

<210> 4458
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C12

<400> 4458

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gtttcaaatg aagttccaaa gcaacccctg gttgatgacg atgagaatga tgaaaaaaat 120

tctgaaaaat atggtctcgc ttctggcttc tccatcaata agaaacggaa aaatgtagtg 180

ggtactacta agaagagtaa gaagaaaaaa ggtaacaata atgctggcga ttcatctgac 240

cctgactctg gtactctagc aaaagttggg tggttcagag ttgtactaga tgaagctcaa 300

acaattaaga atcatagaac ccaggtggca agagcatgtt gcggtcttcg aagccaaaag 360

gangtggtgt ttgtctggaa caccaataca aaatacaata gaatgattta tacaag 416

<210> 4459
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-B4

<400> 4459

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caagganaga gttaacccan anaacagagc aatcctctaa aaaatctcaa gaancctcac 120

taaaatgggg ttcaacggca gagacacaat taactccggt gcaagtcacc gacgacgaan 180

ctgccctctt cgccatgcaa ctagccagtg cttccgttct tccgatggct ttaaaatccg 240

ccttagagct tgaccttctt gagattatgg ccaagaatgg ttctcccatg tctcctaccg 300

agatcgcttc taaacttccg accaaaaatc ctgaagctcc ggtcatgctc gaccgtatcc 360

tccgtcttct tacgtcntan tccgtcttaa cctgctccan ccgtaaactt tccggtgatg 420

gcgttgaacn gatttacggg cttggtccgg tttgcaaagt atttgaccnn naaccgaaga 480

tgggtgttcc antgg 495

<210> 4460
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-B6

<400> 4460

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aaggcaatga tttgactgag caagaggttt tcctctcttg tgctctcggt tggtgcattg 120

aatggctcca agcttatttc cttgtgcttg atgatattat ggataactct gtcactcgcc 180

gtggtcaacc ttgctggttc agagttcctc aggttggtat ggttgccatc aatgatggga 240

ttctacttcg caatcacatc cacaggattc tcaaaaagca tttccgtgat aagccttact 300

atgttgacct tgttgatttg tttaatgagg ttgagttgca aacagcttgt ggccagatga 360

tagatttgat caccaccttt gaaggagana aggatttggn cangtactca ttgtcaatnn 420

acngtcntat tgtccagtac aaaaa 445

<210> 4461
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-C3

<400> 4461

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tccgcctcga agcaaggact tttccccaag ttgctggagt tgttgtttcc ctcgtagcaa 180

gaagaagaat attcctgaag aaaaccgagc tctgcgtatg agtgattatg atgacgaaga 240

gatgaatctc tctctagtcc cgaagaagtt cggtaactca acattcctca ttgattcaat 300

tcccgttgct gagttccaag gccggcctct cgcggaccac cctgcggtta aaaacggggc 360

gtccaccggg tgcactcacc attcctcgag aacttcttga tgcatcgact gtagcagaag 420

ccatttgctg ttatctcttg ctggtacgan gataaaactg angtggggat nacgtnatcg 480

gatggattta acnggtta 498

<210> 4462
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-C4

<400> 4462

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ctagctttga ttcaaccatg gctaatgcag catcaggaat gggcaagtcc atgatgactg 120

caagctgaaa tttatggaat tgaagacgaa aaggacacac cgtttcatca tttacaagat 180

tgaggagctg canaaacaag tgattgttga gaaaatcggt gaaccgggtc aaacccatga 240

ggaccttgct gcaagtcttc cagctgatga atgccgctat gccatttttcg attttgattt 300

tgtcaattct ganggtgtcc caaggagcan gatttttttc gtggcatggt ctccggacac 360

agcaagagtg agaagcaagg atgatctatg cgagctccaa ggacaggttc aaganagaaa 420

ct 422

<210> 4463
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-C8

<400> 4463

ccattaatgc taccacccaa ctacaaggct tttctcacac actctcttct ctcaatctct 60

tggctcagaa caaagaagat aaaaaaaaaa gtgtgatata ttgtgagaag attgcagaag 120

cgtgtccaac ttggttccct ctctctctga aattactcaa tcatggggat ttgcttgagt 180

gctcaggtca aagctgagag ctcaggagcg agtacgaagt atgacgccaa agatatagga 240

agtcttggga gcaaggcttc gtctgtgtct gtaagaccaa gccctcgaac tgagggtgag 300

atcttacagt ctccaaatct caagagtttt agctttgctg agcttaaatc agcaaccaag 360

gaattttaga ccagacagtg tgcttggtga aggtggattc cgttgtgttt tcaaanggat 420

ggattga 427

<210> 4464
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-D12

<400> 4464

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aaagccatct tattggcttt agcatcttca tttgtatctt gttacgaccc aagtcctctt 120

caggactttt gtgttgccgt cgatgacgct agtggtgttt tcgtgaatgg aaaattctgc 180

aaagacccaa aatacgtnaa agctgaagac ttttttactt ccggactaaa catcgccgga 240

aacacaataa accgcgttgg ctccaacgtt acaaacgtta acgttgacaa aatccctgga 300

ctcaacaccc tcggagtgtc tcttgtccga attgactttg ccccgggagg tcaaaacccg 360

ccacacacgc acccacgagc cactgagatc ctcgtgggtt gtcgaaggaa caactcctta 420

g 421

<210> 4465
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-D2

<400> 4465

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cggccacgcg tcccgaaaat gtttaactat gtgattattc ttcctttagc tctcttcctc 120

ttggcttaca aattcttctt tacatctaaa aagcagcgtt actatctccc tccctctcca 180

tcttactctc tcccaatcct cggccaccac ctcctcatca aaccgccggt tcaacgtctc 240

ttccaccgcc tttccaatat ccatggccca atcttctacc tccgacttgg ttccccgccg 300

tgccgtcgtc atatcttcnt cctcgctggg caagagaatg cttcacaggt caaaacgatg 360

tcattgtatc aaaccgccct cgttttctaa cctccaaata cattgcttac aactacacan 420

ccatcggaac aacatcttac ggtgaccact ggcgtaacct ccgccgcatt tgctcnctcg 480

aaatcgtctc ctcaaaaacg tc 502

<210> 4466
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-037-Q1-E1-D4

<400> 4466

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gcgatttatc ctaatctttt ttctatcttc tgctacaaat ttggttcttt tttggttgaa 120

tttggataaa atcataatct cctcttcaat tttcttgtga aatggaagtt tcagtgattg 180

gaaatcctca agcgaggatc tgcagagcag aattagctta cagagagctt ggatttagat 240

ttggctctga tgtaatctcc ggtgaatcga gaaatagggt tagtttctgc aaccaaagct 300

ctaaatggaa agagatcgcg atacgttgct cttcgagatc tgtcaaatgt gaagccatcc 360

gtctccgatg acgcttctcc gtttctcaaa tccaactcca aaatctaaat cgctcgagaa 420

gtgtaaaaat aattgttggg cctcccgtt 449

<210> 4467
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-D7

<400> 4467

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ggggcttact caaaccgctg atgctatgtc caccgtgacg ataacaaaac cgtcactgcc 120

atcagtccaa gacagcgatc gagcttacgt gacgtttctt gctggaaacg gtgattacgt 180

gaaaggagtc gttggtttag ccaaagggtt aaggaaagtc aaatcggctt atccactcgt 240

agtancgatg ttacccgacg tcncggagga acaccgtcgt atacttgtgg atcaaggatg 300

catcgtccgt gaaatcgaan ccccgtttac ccaccccgag aaccaaactc agttcgccat 360

gggcttanna cgtnatcnac nnacgncgaa cnccgtatct ggaagttttg tggaagtan 419

<210> 4468
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-E10

<400> 4468

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agccatggtt ggaatgcttg ctgatccgaa agaggcccga gctggaatca cgagaggttc 120

acttccttcc attcaaccct gtggataaga gaactgcttt gacttacatc gactctgatg 180

gtaactggca cagagtcagc aaaggtgctc ccgagcagat ccttgacctt gccaatgcca 240

ggcctgacct taggaagaag gtactctctt gtattgacaa gtacgctgag cgcggtctta 300

ggtcgttggc agtagctcgt caggtggtac ccgangaaaa caaaagaaag cccaggtgga 360

ccatgggaat ttgttggctt gtttgcctct ttttgaccct ccaagacacg acagtgccnn 420

agncattcnt tagggcgttt gaancctaag gtgtttaatg ntgaaagat 469

<210> 4469
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-E11

<400> 4469

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gtcgacgatt tcaccgaata cgatccgatg ccttanagtg gaggctacga catcaccgtg 120

acatacggcc gttcaattcc accgtccgac gagacttgtt accctctctc ctctctctcc 180

ggcgacgcct ttgagtatca gcgacctaat ttctcttcta accacgattc ttctgcttat 240

gacgaccaag ctcttaaaac cgagtacagt agctatgcac gacccggacc cgttggatct 300

ggatctgatt ttggccggga aacctaattc tggatatgga gggagaacgg aggttgagta 360

tggccggaaa actgaatcgg ngcatggatt tgggctaatg ggtgggaang aatt 414

<210> 4470
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-F3

<400> 4470

acgcgtccgc ncacgcgtcc gggaaggaac tgtgtagaaa ctttcagcgt ggcagttgta 60

ggtatgggga aaactgtaga tttcttcatc cacaacaagc taagccaaat aatccctttg 120

gctttggtac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt agttcgaacc 180

cttttggatt tggtgtacaa agtggtggtt ccagcagacc gaatcagttc cagaatactt 240

ggtcacgaac ggcttctaca cctactggtg gtggtgctgc tgcttctaca cagcagactg 300

gtaaacagac gcagccggca gatcataaat gcacagatcc tgctgcgtgt aancggggta 360

atgcaagacg attttaagaa tgaagagacc catgtggaag ctcacatgct acggccactg 420

gaaataattt ccatgtgatg tttaccgggt gatatcancc 460

<210> 4471
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-F9

<400> 4471

ttaccctgcc ggtattggtc caaccattcc cgggtcaanc cacgcgtccg naagagtttc 60

agcaaccaca agtgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn aagtggctcg tttggtacaa gcattcatag ttcnagccgc aattcttgtt 180

ctggcagcac tggcttgtgt gtttggaaga ctatgcaacc gcggtggaaa gcaacacaaa 240

gacaaaaaca acaacaaagc ttcgaagcat nanaaaccat cgtcaaagaa gagccgtgag 300

attagacctg tggagcgtna accaanagaa agaggtgatg tggagtttgg tttcnatatg 360

aagcggcctg gtcctatgag caaacccact ggtcgaaacg gaggggacat agaatttggg 420

tttganaaca ngngaggang aagtggtggt ggaggangg 459

<210> 4472
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-B2

<400> 4472

ttaccctgcc gtnccggtcg aaaattccgg ggtcnaccaa cgcgttcnga tttgcaatnc 60

cttggttaan nagtggaaac naatcccccc aaantggccg tngatntcca aagttttgcn 120

aaatcccccg gggaacttta ctgaaatttt ggagctantc atgtcntcgg atcctgacaa 180

aatgatgtcc aaagccgaca aaatgacaaa gctcacgctt actagatgga gtgctgattg 240

ggagaggtgc tactgagttg tatgagcaag cagcaaatgg gtttagagca tcaaacaaat 300

atgagaaagc taaagtggct ctcgagaaag cttcaaaagg acaagagatg caagcttctc 360

cttgggatgc tgcaaagcat atggagtctg ctgctgcctt agcacagaag ctaagtattt 420

ggnatgaagt tgctgatttt tataagaaag gcgtcnggag ctgtatgttg aantgtggna 480

agggcacaaa cccgcatcag atg 503

<210> 4473
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-E7

<400> 4473

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ctctcggact acgtacatgc ctacaatgcc tgcactcacc agatgtacaa cgggatcaaa 120

attccaatgg aagaagaaag aaaagacacc taccactcag aagagagaat ctcaggtttc 180

ggttatgaac ggtgagaatt cttttggggt cacgcaaata tgtgtcagaa taaacagctt 240

gcanaaaatc cgcagtgagc ttgatgttgt ggaaaaaaga gtgatcacac atttgaggaa 300

ctgttgagtc agctcacacc cgaatgactt ttccaacggc ttagaaaaan aagttttgag 360

c 361

<210> 4474
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-F12

<400> 4474

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tctagacgac ggcgataacg ccggtgaccg acggaatcat gttaagatag tcactggcga 120

attcgttctt cttccccgga gacgacaagc atcgaagaat ctgtttagag acagctatgc 180

ttgtctctgt ttctgcgttt tctctttccg atcttgtctc tcgngatccg gtgaagaagc 240

tgccgccgat cacatcttcc agtttccaag agattctaaa nctttgtct tttgatcctt 300

catcgaattc attgaggaga ttat 324

<210> 4475
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-F5

<400> 4475

tttcacaaaa tcaggttatt gttatctctg gagaaacagg ttgcggcaag accacacaaa 60

tcccgcagtt tattttagaa tccgagattg aagcaaaccg tggagctttt tccagtatca 120

tatgtactca accaaggaga atatctgcta tgtctgtttc ggagagggtt gcttacgaga 180

gaggagagca gttgggtgaa tctgttggat ataaagttcg attggaaggt gttaaaggaa 240

gagatacccg cttactcttc tgcaccacag gcattttgtt gagacgcttg ttggtagata 300

gaaatttaag aggagttact catgttatcg nggatgaaat tcangagcgt gggatgaatg 360

agagatttcc gtcttatcag tcgtaaagga tctgcnatct cg 402

<210> 4476
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-F7

<400> 4476

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atcctttaaa ggttgaccaa tctgctctaa ctggagagtc ccttcctgta accaagcacc 120

cgggtcaaga agttttctct ggttcaacct gcaaacaagg agaaatcgag gcggttgtta 180

ttgccactgg ggttcatacc ttcttcggta aagctgctca ccttgtggac agcactaanc 240

aagttggaca tttccagaag gttcttacag ccattgggaa cttctgtatc tgttccattg 300

ctatcggtat ggtgattgaa gatcatccgt catgtatccg atccaacgcc ganagtacag 360

agatggaatt gacaaacctt ttggtcctcn tgatcggtgg t 401

<210> 4477
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-F9

<400> 4477

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ctggtgccac tgttggtgaa ctttattaca ggattgcgga gaagagcaaa gtccatgggt 120

tcccggcggg tttgtgctcg agcttaggca taggaggaca cataacaggc ggtgcgtacg 180

gttccatgat gcggaaatat ggtctaggtg cagacaatgt tctagacgca aagattgttg 240

atgccaacgg taaattactc gatagagccg cgatgggtga ggatacattt tgggctatta 300

gaggaggcgc tggangggag ttttgggata attctaacat ggaagatcaa gcttgttcct 360

gttcctaaga ccgtgaccgt ctttaccgtc accaaanacg ttacaacaag acntgggtaa 420

caagattatc tcaaagtggc aaagaattgc gggacaaact tgttgaanga gctatt 476

<210> 4478
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-G2

<400> 4478

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tctaacggga gttaactaac gtcgacatta tgctagaggg agatgagaaa cagagccgag 120

ctctggattt caatcgactc gaggttttgt cattactagg tcgtggagct aaaggagttg 180

tgtttcttgt ccgcgacgac gacgctaaat tgcttgcttt aaaagttata cttaaggaag 240

ccatcgagga agaaaaagaa gggtagagaa agtgaagatg atgagtataa acgcgtgagt 300

ttcgaagcaa ggagtattaa gcagattcga ccatcctctc tttccgtctc ttcacggtgt 360

tttagctacc gataaagtca tcggttatgc gatcgattat tgtccgggac agaatctcaa 420

ttctttgagg aaaatgcaat cggaaagtat gttttccgac gagattatca ggtaaatttg 480

tt 482

<210> 4479
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-G5

<400> 4479

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taacaacaat ggtacttctt accaaactct tgatgagaaa ttcgttgagg acatcgagaa 120

tggcgataag ttctctggtt ctttggagaa aaaacccctg gttgggtcac atttgcctcc 180

tagtactcct tcaacaacag ctccttcacc tctcttgggt cttcctgagg tttctcacat 240

tggntggggt cattggttca ctctccgtga ccttcaactc gcgactaatc atttctccaa 300

ggagaagtat catcggagat ggtgggttat ggagttgttt accatggaan tttgactaac 360

aanngcccct ggtggctgtc aaaaagttgc tcaaan 396

<210> 4480
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-036-Q1-E1-G8

<400> 4480

aaaaactcaa aactcaaaac catctttgtg aaaaaaaaat ggaaggaaga caatattacc 60

ctccgagaga aaacgttgaa ggaaacagaa ccaccatggg aggaggacct cactcaccgt 120

ggcattcacc ggttccttat ctctttggtg gtttagcagc gatgcttggt ctcatagctt 180

ttgctcttct aatcctcgct tgctcttact ggcgtctctc cggttatcta gacggcgagg 240

aaaaccagag cagagagaga gatcttgaag tcggagatgt gaaacctgac aaaacggcgg 300

tgaagcctgt agctttgccg gagaagttct tggtgattat ggccggaaat gtcaaaccta 360

cttacttagc aacgccgtcg gtaaaaacgt gtacttgtga cgatgatgac gatgaaga 418

<210> 4481
<211> 421

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-G9

<400> 4481

acgcgtgggc ggagtccccg agagattgat caccatcact tttgtacctt ccttgtacta 60

cctatggcgt ctgctagctt cgttaagcct aacacnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngagtctc cttcgcgatc 180

cgcgccggtg cttactccga cgagcttgtt aaaaccgcca aaagcattgc atcccctggg 240

agaggtatct tggcgatcga tgagtccaat gcaacctgtg ggaagaggct tgcttctatc 300

ggcttggata acaccgagga caaccgtcan gcctacaggc aacttctgcn taacaactcc 360

ctgggnctcg ggngattaca tctcgnggtt ccaattctct tcgaaggaga ctctttaaca 420

a 421

<210> 4482
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-H12

<400> 4482

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actacaagcg gtggaggaat gagaaccacn ttttccccna cgccatcggn caccacatcc 120

aaggtgtcac cgtccacgac ggcgaatggg actcccatgg agccctcaag atttggaact 180

acacattaga tgggaaaccg gagatgttca gggagaggag ananatagac gatgatnaac 240

atggcggtaa cgttcgttgg actanaaggt cacgtgatgg atcagcttaa antgtatgat 300

accattttac agttcattca aaagtcnccg gatnatatcg tttgcaagat cactatnacc 360

tgnggataag cgagccggat gactcncctg aaaccaacaa ctacantaaa ggttggncca 420

gagtcccccc 430

<210> 4483
<211> 415

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-H2

<400> 4483

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gactctcaat cgcatggtca agaatatttc ctcatgggag aaaggagaag ggagtgagtc 120

aagctggtgt gaaattctac cacgacctga tcgatgagct ccttaaaaat ggtataattc 180

cgtttgtgac tgttttccat tgggacactc cacaagattt agaagacgaa tatggcggtt 240

tcttaagcga gaacattgtg aaagatttcc gagaatatgc agattatgtt ttcactgaat 300

acggtggaaa agtgaaaaac tggatcactt tcaacgagcc atgggtcttc gctcatgcag 360

gttacgacgt anngcaanaa ggcgccagga cgtttgttct cgctaacctt aanag 415

<210> 4484
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-H6

<400> 4484

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acagaccagt ctttgcgtgt gcttgtgtgc attcattgat cgggtttana tcttttcatc 120

ggattttctt tgtcnagcaa gagccatgtc actganaccc aacgctaaga cggaggttcg 180

ccggaacnga tacaangttg cagtggatgc ggaggaagga cgacggagga gagaagacaa 240

catggntgag atccgtaaaa ncaagcgtga gganagtttg atgaanaaga gacgtgaagg 300

tatgcaagct cttcagggtt tcccttcagc ttccgccgcc tccgtcgata anaagttgga 360

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tg 422

<210> 4485
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-A4

<400> 4485

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catttacttt cctttgaggt caatatgaga aaacanaagt ttctgcttgc attccaggct 180

gtcaagcaat tgcttaaatt gggtgcagag aaccctgatt cacatcgttc cttggttaaa 240

ttctttctca tgacagaatc gataagtgct ccaacgactg aangctgaga aacttcgttg 300

gagggtccta gaggctgagc gcccatcaat cagtcaattg cagaataaat cactaatgga 360

aagcaaacaa agagttcttg ggaagacacg aagattcntt ggtgcacaga gctgcatatg 420

caaaaaatgc ctgtaaaatt tagattccaa ncaaagaaaa cccgagggca nca 473

<210> 4486
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-A5

<400> 4486

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tgtatttcgc taccagatga agttgtagaa acacaacacg tcaatacctc tgttgaatca 120

gacacatctg cttatggaac agcatttgat gcatttggag ggggtgaaag tggaaaggaa 180

gcttgccatg ctattgctgc attatgtgaa gtttgctcca ttgattcctt aatatcaaat 240

tttatccttc ctttacaggg aagtaacgtg tcaggaaaag atggtcgtgt ccactgctcc 300

ctgaatatca acactgaaac tggacgctta tcggctagaa ggccaaattt gcagaaccaa 360

cctgcattgg agaaagatcg gtacaaantc cgtcaggcct tcatancatc acctggaaat 420

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gttngcgaaa gcat 494

<210> 4487
<211> 421

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-A7

<400> 4487

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gagacttcag atctggttgt ggaaatgtca gatctgggat ctactcgtcg gattggacca 120

gatccgggtt tgattccggg tcagatccgt ttatctggcc gcaaatcgaa atcagcaccg 180

ttttacgccg gtcctgtgac catgacctcg ccgcctccta gcgatgtccc gcttccagct 240

ttcttcacga agaaggcaac aaatgatctc atcaggatcc ttcgccnaga catcgcctga 300

cggtgtctgt caccgatcat ttttgatttt ttaaaaatct cccgatgatc caaatggtta 360

ccaanagtgt tacatttccg tattaccgat cgtccgattc cgccctgaaa aacgggacat 420

n 421

<210> 4488
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-E10

<400> 4488

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tatgtcgatc agctgaagca gaggtgtgtt gaaggtttca aagaaggtgt tttgagcatc 120

gagcagttag cttctgttga tggtttatgc gagtgggtgt tgaaggctat aggcgcatcg 180

gatccggttc atacttacaa tatcaatcta tcagttttca cttcgattcc tgatctctgg 240

gggattgatc agctgttccc tatagttcct atccataagc tcgatcaaag gcccggggct 300

cgcggaatcc tttcagattt aacgtgtgat agtgacggga agatcaacaa gttcataggc 360

ggtgaatcca gcttgccgtt gcacgagctg gacaaagaat ggcaatggan ggaaggtac 419

<210> 4489
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-G6

<400> 4489

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cggatgaagg aagacancct ctctcaagaa agctacctat tcgttcaagc agaataaatc 120

cttacaggat gttaattctg tgtcgcctcg cgattcttgg tcttttcttt cattatagaa 180

ttctccatcc agtcaatgat gcatatggat tatggttaac gtcagttata tgcgagatat 240

ggtttgcagt gtcttggatt cttgatcaat tccccaaatg gtatcctaan agaacgtgaa 300

acatacctcg atanactctc tctcaggtac gagaaggaaa ggaaaaccgt caggattagc 360

acctgttgat gtttttgtta agtacagtgg atccgttgaa agagccaccc ttgattacag 420

caaacacagt tctttccatt cctaacagtt tgattatcct gtggataagg ntgcgtgtta 480

tgtatcagac gatggtgcag ctatg 505

<210> 4490
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-H11

<400> 4490

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tgactgggtt catgagcttc tggcatagan gagaagtacg gactacaaga accacgtttc 120

ttccctggca tgtattcctc ggactctata cctatggttt aaccantgcc acagctgaga 180

ccggactgcn tgagaaactg angttccttc agaccaagag gaatgtcccc agacgcggtt 240

ctgaatcaat gactgtcaat ggtttagggc ttggcttggc tctacncggg ttgcattgtt 300

ataactgctg ctattttgcc aaagtatcan gngccattct cntgatnaga aactcgttta 360

attcaatcgc aangatngtc cnaaaatgtt ggtccgccct ggaggtttta gnttt 415

<210> 4491
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-H12

<400> 4491

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agaatcaccg aaaaatatca aggcaaagag tttcaaattt cgtgaattag caaccgctac 120

aaatagtttc aggcaagagt tcttgatcgg agaaggaggg tttgggaggg tttacaaagg 180

aaagatggag aagacaggac aggtaaaaat aaagtggtag ctgtgaagca acttgaccgt 240

aatggattac aagggaatag agagtttctg gtagagatct tcaggttaag tcttcttcat 300

catcccaacc ttgccaatct cattggatat tgccttgatg gagaccagag acttcttgtt 360

cacgagttca tgcctcttgg ttcccttgaa gatnatcccc ctaaatgttg tantaggaca 420

acaaccattg gattgggact ccccgattaa aggattgcct taagaac 467

<210> 4492
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-H3

<400> 4492

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tatgaatgaa actgtggtgt aagagaatat naatggttgt tanctgctan aatgtttttt 180

ggaccaagtg agtttgatgc tgatgaaatg ggttatgcaa tgagtagact tgagatagaa 240

tccnatctat gtgatactgg aaaagacgtt tgtggagttg gtantactan tggtantcac 300

angatcaagt gaacatttgg ctgatctaga ccattganat cagccacgtt actaaattga 360

aatcctagtc ctcatcaacg gtaaaaccct naaagtcccc tggggaagga gccngnccca 420

anccatagcn gacaagtccc cngactgata cag 453

<210> 4493
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4493

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gtgcagtttc ccgtctcacg cagaanactg tccgttttca tataagccta ntggtaacca 180

agaaggacca agtctatgtg attgtaatcg aaaatgagaa natgactgtg caagagtttc 240

ccgangaatt ctaccgtgtc ggacctgtta cgcatagcag gacccagggg agctcgagat 300

ggtcaatgta cagcatcccg ggcaaaggaa gacctaaggc caangactta accnagacac 360

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tccntg 426

<210> 4494
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-H8

<400> 4494

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cctggccaca ntatatgcat tgntcggatg tccactctct tatgtacnat ggtacaggcc 120

actctaccga gccatgagga ctgacagtgc tttgaanttt ggttggtttt tcttcaccta 180

cttgattcac attggcttcg gcatcgttgc tgccatcncc cctccaatct ttttccatgg 240

aaaatcatta angtaagtct tccaataata gcccnacgtt tctacttgcg tttgagtgta 300

ctcttacttc anatgtagtt ggttaagtct ggtgagggct tcaattgggn aagttcctaa 360

aattggtctg anacggttna ttaanaattc antttgttac aaaattaatg acgattaagg 420

acctacaagt tggaagtgag aatcct 446

<210> 4495
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-A7

<400> 4495

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agagctttca gttattgtct ctgctttgca acacgtgatc tcaggggaaa acgaaacggc 180

gccgtgtcag ggtttttcca gtgacagcac agtgataagc gcgggaatgc ctcggttgga 240

ttcagacact tgtcaagtct gtangatcga aggatgtctc ggctgtaact acttttcgc 300

gccaaatcag agaattgaaa agaatcatca acantgaang aagagattac tagtaagtag 360

taacagaaga nagagangag ctctcccgtg ggcnaagaaa ngcnggaggt ggcngggaaa 420

atcaggaaga ggaaanaaac aa 442

<210> 4496
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-B3

<400> 4496

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tcttttgtta caattctgtt aacaaacttt gacgtcacca tttgaattct tatccaattc 120

ccatttccna acagaatttt tcctcttttt ctcnttctct ttttcattcc ttagagattc 180

ntgattctcc cacttccttc tttagtcgtt acagtcnttg ctctgttttc aaaaaaanaa 240

agttggttcc tttctcaact ttttttcccgg gaaaagtgaa tgagagctaa aannggttta 300

tcatgtttga gattcccggg gtaatacaaa ttcctctcaa nnaaaaaggt tccantttta 360

aancctcttt cgaaantctg gtannttttat ggagtaagnt taggggtt 408

<210> 4497
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-036-Q1-E1-B6

<400> 4497

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tatcagatct cgccgatctg ttgtagcagc tactgtattt tgggcttctc atttgatatt 180

ggggaaacga ggagtagagg acgatggaaa atctgatctc tctggttaac aagatacaga 240

gagcttgcac ggctttagga gaccatggag actccagcgc tttacctact ctttgggatt 300

ccttgcctgc gatcgccgtc gttggtggtc agagctcang gaagtcttca gtcctggaga 360

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<210> 4498
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-B9

<400> 4498

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agaaccagga tctactaatt acctgagaga aaaaagatct gctctgtttg tctgaaacag 120

acagaagtca acaaatcttt catttgtttt ttagcaaatc aaagaaatgg ccggagggtt 180

cgtcagtcaa acgccgggtg ttcggaacta caattacaaa ctgacaccga aagtgtttgt 240

gacatgtttc atcggtgctt ttggtggtct catcttcgga tacgatctcg ggatctcagg 300

aggggtaacc tcaatgggag ccattcttgg gaaagagttc ttcccttacg tctacaagaa 360

gatgaagagc gcacatgaga acgnagtact gtcgatttga tagtcagctt ctcactc 417

<210> 4499
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-C6

<400> 4499

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tcttcctccg tcgccggcga aaccatgtct cagtctattc aattctccac tccttcacac 120

actcctcacc ttctccatct ccctcactca caattcaacc gtcctctctc ctctatctcc 180

ttccgtcgct tccctctaac aaccatcaaa tacacttcca tcagagcctc ctcgtcatca 240

tctccttcac cggatctcga ttcatcgtcc tcatcancat cctcgcaagt acttctctca 300

nctaacggta ctggtgctgt gaagtctgat gagagatccg ttgtcgctac gngcggttan 360

gacngatacg tctgggattg aggttgatac tgtgncggaa gctgaagctt aaggaagaa 419

<210> 4500
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-C8

<400> 4500

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ggcaacgtaa ttttggcgaa aatcctctct ctgttacgaa tagattgttt ttgattacta 120

aagctggatt cgtctctggt gctgtagatt ttcgaagatc cggtcagagt cgttcgtgaa 180

aagctccttg tttaagtgtt acgggctaca tcggacgctg actggctttt catggaattt 240

gagtgccaag agagacttga agctgcgaac gatcaaagaa gtgagtctgg tcttttgaat 300

accgatttga gaataggtaa tgatgggtct gttgagattc caaaatgtga agttgtgttg 360

tcagaaaaag aagggaactt tagtgcccag tggcntcgaa acagttacnc ccctg 415

<210> 4501
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-D12

<400> 4501

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tctcagcttg ttgaatttgc gaagtatggg agacgctaga gacaacgaag cctacgagga 120

ggagctcttg gactatgaag aagaagacga gaaggtccca gattctggaa acaaagttaa 180

cggcgaagct gtgaaaaaag ggtacgtggg aatacacagt tctggattca gagacttcct 240

tttgaaaccg gagcttctca gagctattgt tgactcagga tttgaacatc catctgaagt 300

gcaacacgaa tgtatccctc aagctatctt gggtatggat gttatctgcc aagcaaagtc 360

tggtatgggg aagactgctg tgtttggcct gtcnanctct acaacagatt tggaccaatc 420

cn 422

<210> 4502
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-036-Q1-E1-D7

<400> 4502

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cttcaaacgc cgttttgcct ctttggtggt cggtttcggc cggcaccgtg agagggcctc 120

tcttctcttt ttagtttttt ttttcctttg tgtcgatttt ttttagccgg cggcggctcc 180

tccttctttg tggcttaatc aaagagtttt aagtcgacgg cgaagcggag atagttctct 240

cagatggagg ttcgttggta gatctacaat ggggaactat gactctcgac gacggcanca 300

gatctgggtg gatttcttcg tcagtctctt cgcggaggta cctctcctcc gatgaacctc 360

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g 421

<210> 4503
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-G3

<400> 4503

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ggagcttgct tacctggaac tggtgctaaa attgtagctt tggttggagg tccatgtaca 180

gagggccctg gaacgattat ctcaaaggat ttgtcagatc ctgtgcgctc ccacaaagat 240

ctagataaag atgctgctcc ttattataaa aaagctgtaa agttttatng atagtattgc 300

aaagcagctt gtcgctcagg gtcatgtgtt agacctttc gcttctgcac ttgatcangt 360

cggggttgct gaaatgaaaa gtaancgttg aaagtacccg gtggtccccg tgatccgtcc 420

gaaantttgg gcaatccgta attaaagat 449

<210> 4504
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-E9

<400> 4504

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ccgtcatcnt gattcacgtc caaccacaaa acgccgatca tacccgcaaa atcctcttcg 180

aggaaaccgg ttcaccgcta attcctttgg aggaatttan agaggttaat ttgtctaaac 240

agtatggact tgcttacgat cctgaggttc ttgatgttct tgatactcnc nctatggcna 300

aaaaggtgaa ggttgtagca aangtgtatt ggggagattc aatggagaaa ctttgtgatg 360

ctgtcnaaaa tctaaaacnc gattccattg ttcntggnac tctaaggtnt ggggttcctc 420

aaaaggatct tgcggggtta ctgtgncaat c 451

<210> 4505
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-F11

<400> 4505

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gtcttccatt gtcgcgtcng aaattattct ctgtaattac tgtcacgttt cgtctctcat 120

tgagggaata tttgcagatc gatctatcgt cgatttagat ctggcgttcc tanggttcat 180

cgacgctgga gattcatggt ctctggtgat tgcattttcg aatttttgct gaaattgggg 240

aaaattttag gtgctgtgta tatggatana ngtgggganga gatctggtga atctccaggg 300

gtattgatta acaanagaag ttcntctggt tgcttaattg tgaagaagaa cnatggtgtt 360

ggtacgactt gttcgtttca gaaaatcgnc cgaattggga gtccaataag aagtcaagat 420

nattacaatn acccgaatcc aacgataaaa t 451

<210> 4506
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-F2

<400> 4506

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ccagattttc cggcaagaga acacgtcttt tgagctaggc tatccagaca tatttgtgaa 120

agtatttgga aaagataatt tgttcttgaa ggaagtgttc atccacaagt acctccaaaa 180

aatcactatg caaattcttg gctccgaggg tttgaagcaa acaatgttag gaaacatgga 240

caaagcaacc cgcgaccata ttaggtccat tgctagccag gggagcttca atgttcgtaa 300

agaagttgaa aacttggtag taacgtacat gacaccaaag ctgataagtt ancctaaanc 360

aagagacgca atcaaagcct ataagataat cccaacgccn tcaatcctga atgggttaag 420

tccctcctaa gactcnccac ttg 443

<210> 4507
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-F3

<400> 4507

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caagtgtagc ttgcctatca ccaacggtcc aggattcgcc agaatcaact gtttatcatc 180

agaanacaca gagtcaggta aatcttcttc aacnaattca ctttgagtgc ttagattatn 240

atccttaaag aattcagtat gtgtgtanac atgtatgtac ctgaatgtct cttttctgga 300

gagacttgta taagtcttcn aatgcgtgaa taacacttgt atcnatgtcc gtncagtgaa 360

aaataanggt gtncgttaaa agnaagcgaa cccactcta 399

<210> 4508
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-F4

<400> 4508

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gtcacgattc attgttgctt ctctcaaaag gtattttctg ggtttagctt cttanaggtt 180

cttcgttctt aaaggtctgt tttttttag gttgtgatac tttgaatgta aaaaanggaa 240

gatttttagt ttcgatatgt atatctctcg gatgggtttg agtcggagtt tcccgccgct 300

ttttgggggga tttcgggaaa ttctanggtt aagggttgga taatgtcttc ctctagcagt 360

ctctgcnact tttaaaatcc cctcaaccct ccttgaaaat taaaaaaggt tttttaantg 420

gttggttcct ccctgggaat ccaaaattct g 451

<210> 4509
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-F9

<400> 4509

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cggtggacat ggctaatcca naggagctta agaaagtttt cgaccagttt gactccaacg 180

gcgacggcaa gatctcagtc ctcgaactcn gcggtgtgtt taaggctatg gngacttcnt 240

acacagagan ggaactcaac cgcgtgctcg aagaagtcga tacagatcgc gacggttana 300

tcaacctcga cgaattctca antctctgtc gctcgtcttc ctccgccgna gagatccgtg 360

acgctttcga tctctacgat caggacanna acngactgat atccgcctct gaancttcac 420

nacgtgctta aangtctcgg gatgtcttgc tctgttgann actgtaagcg tattatcgga 480

actgtggatn ctgacagt 498

<210> 4510
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-034-Q1-E2-G12

<400> 4510

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aaccctagaa tcggcgagac tcgcggtgtc atgcatctaa tttccgacaa tgctgtttcg 240

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cttggggtgc ccaaccacat gacatatgca gatttttgcc agttctgcgg ctccttcatt 360

cagcacatac tggatatgcg aaccgtcagg aatgatgaca ttgaaaataa gatacagcat 420

tttgataagg tttgatagtc aggaatctac cgatacatt 459

<210> 4511
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-G2

<400> 4511

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caatctcttt gagagaatgg atcgaatggt tgcttatggt ccaacgtttt gcgatatcac 180

ttggggagct ggtggatcta ccgcagatct aacgcttgat atagcttcga ggatgcaaaa 240

cgttgtttgt gttgagagta tgatgcatct tacgtgtact aacatgcctg ttgagaagat 300

tgatcatgct cttgagacta ttagatctaa tgggattcag aatgtgcttg ctcttagagg 360

tgatctcctc atggtcaaga taattgtcaa gttgaagtgg tttgattgtc ttggatctgt 420

taacacattc gtacaagt 438

<210> 4512
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-G3

<400> 4512

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ttgaaagttt ggttcgataa gaagatcagt gaaccactta tccagatctt gcgcagaggt 180

gctgagccaa agcagctggc tttttctgcg gcattgggta ttaccatggg agtatttcca 240

atctgtggtg ttacggtgtt actatgtgga gtggctattg cgtcgcttgg atctctttgt 300

catgctccaa ctgtgatgtt ggctaacttc attgctactc caatagaact aagtcttgtg 360

gtgnccttcc ttacgacttg gcgaaaaaat aaccggtgga cctcaatttc cttaacaacc 420

ggagncctaa agaaggtttc aaaagggc 448

<210> 4513
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4513

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tangagctca tggtgtanca agctcttcat aggtacaaat acagtggagt ggatcactct 180

tatcttgcca tatacgtcct ccaacctttt tggactcgat ttgtcaaagt cttccctcta 240

tggatgccac caancatgat aacgcttatg gggtttatgt ttctagtcac ttcctccctg 300

ctaggctata tatattcacc tcagttggat tctcctcctc cacgatgggt tcacttcgca 360

catggtttac ttctcttctt gtatcaaaca tttgatgctg ttgatgggaa acaagcaaga 420

nngacaaatt cctctanccc cctatg 446

<210> 4514
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-G7

<400> 4514

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atttggctta tcctgataaa catgaagaaa gtattgcctt tggtatggta aatttatcaa 180

atgagagtag tagacatgag agtcatgaga gttctttcag tgatcagctt ggtgatatgg 240

atcaagatta tactgttgaa tgcgagtcta gcgcgaatga tgaggtcagt caccaggttt 300

ttgatgttga aaacagttcg actcatggta gtcctcatgt angcaatgaa ttttttanaa 360

agggtcgctc ntgaaactaa ggaggtttgt ggtaaaatgt tggtcccact aatgcgccac 420

tgaancaact ataaacgaaa ttaata 446

<210> 4515
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-034-Q1-E2-G8

<400> 4515

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aatctaatcg aaactcatag ctgaaaaatg aagagagatc atcaccaatt ccaaggtcga 180

ttgtccaacc acgggacttc ttcttcatca tcatcaatct ctaaagataa gatgatgatg 240

gtgaaaaaag aagaagacgg tggaggtaac atggacgacg agcttctcgc tgttttaggt 300

tacaaagtta ggtcatcgga gatggcggag gttgctttga aactcgaaca attagagacg 360

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<210> 4516
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-G9

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ttgaaggcgt tagagaagcc tgatggtggt gaattcggta actactacag cttacctgct 180

ttgaacgatc ccaggatcga taaactacct tattccatta ggatacttct tgaatcggcc 240

atacgtaact gtgatgagtt ccaagttaag agcaaagatg ttgagaagat tcttgattgg 300

gagaatactt ctcccaaagc aaggttgaga ttccgttcaa gcctgctcgg gttcttcttc 360

angactttac tgggtgttcc tgctgttgtt gatctgcctg catgagagat gccatgaata 420

atctcggtgg tgaatccaat aaaattaatc cgctggncc 459

<210> 4517
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-H1

<400> 4517

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gtaatactat accttgaagg tccacctcca cgagctgaca ttcttctcaa cagtttagtt 120

gttcaacatg ctaaaaggaa tcgtccatcg cctcctcctt tctacgagaa tcctggtttc 180

ggagtcaata tagtcgaaaa cagtgaagtt ttagatgggg gaactaaacc atggttcact 240

ctagggaact gcaagttgag tgttggacaa ggcgctccgc gcactctgcc tccaatggcg 300

agagacacgc taggtcctca caaacctcta ggtggaaact acatcgtttg tgactaacag 360

aacgcagact tggttggtcc tgctcaagat gatnaaccga taaaatcaaa ctcctcctta 420

catatcaaat ctcaaccttg gtcaaacctt ggg 453

<210> 4518
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-E5

<400> 4518

gcccacgcgt ccgggaggtg taaggaaaac tgacagtata ggtaataaga gttccaaggt 60

accggaacca gccaaaaagg cgacaaagaa aaacagggtt tgggatgatg cggctcccaa 120

acaatcgaaa ttggacttca cggattccat cgatgaanat gggaacaatg atcatgtana 180

tattgtggct gctgaccaag gagaaagtat gatggacaag gaagaggttt tcagcagtga 240

tagtgaaagt gaagatgatg acgaaccagg aagtgatgag aagcctgctc aggctaagaa 300

aaagggatgg ttttcttctg ttttccagag tattactggg aangcgaatc ttgaaaggac 360

agaccttgna ccggcgttga aanctctgaa ngaacggctc atgaccanca atgtggcaga 420

aganattgct g 431

<210> 4519
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B6

<400> 4519

tcgaagtcgg atcacgaggc tttcttagag aagaacatgt gacgtatgct tccattcttc 60

tctacatcac tctctctanc ggtcaaatct tcttcaataa gtgggtattg tcatctaagg 120

aaataaactt cccttatcca cttggattga cattacttca catgactttt tcctctgttt 180

tgtgttttct cctcacgaag gtttttaagg tcatgaaggt tgaggaagga atgacattag 240

aaatatatgt tacatcagtt attccaatag gtgcaatgtt tgcaatgact ctatggttag 300

gaaacactgc ttatctctac atanctgttg cattttccaa atgttgaaag ccatcatgcc 360

ngttgctgng ttaaacttgg agttggggtt gggcttgaaa taatganctg caanatgctt 420

ttgaaatgtc 430

<210> 4520
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B9

<400> 4520

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gggaaaagtg tagcgattgt tggtagtagc ggaagcggca aatcgacgat tcttagaatg 120

attttcaggt tctttgacac agattctggt aatgttagga ttgatggtca agatataaag 180

gaagtgacac tagagagtct tcgaagctgc attggagttg tccctcaaga tactgtgctc 240

ttcaatgaca caatatttca caacattcac tatggaaacc tttcagcaac agaagaagag 300

gtgtacnatg canctaggca accagtgatt cacgatacga tcatgaaatt tccggataaa 360

tattcnaccn cggtgggaaa aaganggctg atgctgattg gtggaaaaaa acaaagantg 420

gcacttgcnc cngcctttcc ngaaatcaca agcg 454

<210> 4521
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C1

<400> 4521

gcccacgcgt ccggcaagat caataaaagt tttgatcaaa ccggacttga cgtggcagat 60

atcttcccaa agttgggcga tctgacaata gatcactgtg atgatctcgt ggcactacct 120

tcaagcattt gcggactgac ctcncttagc tgcttaagca taacaaattg tccacgcctc 180

ggtgaattgc ccaagaacct cagtaagcna caagctctcg agatctttag ctcanggcaa 240

gcatatagcc ttaagatttc gacatctcac aatgtgtcag cctgagttgt cttccatagg 300

aaataggaaa gctaaagaag cttgagaaga tcgacatgag aaaatgttgc ttccgggata 360

naacgagctc tgccggttca ctgaaatcct ctgcgccatg ttancctgcg ataccgacgt 420

tgcattaagt tggaaagaag ttgagaaagn t 451

<210> 4522
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C12

<400> 4522

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tttatagaag ttctagaaga ttacaaattc ttggatctgt gattcttctg ctctctattc 120

atgtcgctca ctctttttac cttcctggtg ttgctcctca ggatttcgaa aagggagatg 180

aattgaaagt gaaagtaaac aagttgacat ctataaagac tcagcttcca tattcgtatt 240

actctcttcc tttttgtcgt cctaagaaga ttgtggacag tactgagaat cttggtgaag 300

ttcttcgtgg tgaccgaatc gaaaatgctc cttattcgtt taaaatgcgt gaggcgcaaa 360

tgtgtaatgt tctcggtcgt gttatgcttg atgcaaagtc tgccaaagcg tttaaagaga 420

anattgatga 430

<210> 4523
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C2

<400> 4523

atgagagaac ggattattac attcgtttcg ctgcttcttg tagctttgct ttcgtttccc 60

agtgttagct actgtgacga ccaaacgatc ctgtatgaat cgtttgacga gccttttgat 120

ggtcgctggg tcgtttcaga gaaagctgaa taccaaggtg tgtggaagca cgagaagagt 180

gaagggcatg atgattatgg acttctagtg agtgagaaag ctaagaagta cggaatagtt 240

aaagagcttg atgttgatga gcctctaaac cttaacgaag gaactgttgt tcttcaatac 300

gaggctcgtt tccaagaagg gcttgagtgt ggtggtgctt acttaaagta tctccgtcct 360

caagaaactg gatngggttc ctcaagggtt tgataatgaa tcctcctaat ccaacaagnt 420

<210> 4524
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C3

<400> 4524

gaantttcct aaattcttgg atttgacatt tcacttttc cgatttgaaa caatgatgat 60

aactcgcggt ggagccaacg cggcgaaatc nctgttagtg gcggctggac cacntttgtt 120

ctcgacggtc cgtacggttt cntctcacna ggctttatca gcaagccata ntttgaaccc 180

tggtgttaca tctgcttgga tatggacnag agctccgacg attggangta tgatattcgc 240

tancacgatc actctgggan ataaaactcc gatgaacgat gaagacgcga atcataaaga 300

tcacagagaa cgaatccaac gngtggagaa cgccgccgga nggtaataac annggggaaga 360

taaagggant cgccaagcta atgggggtgt ttgaanccta ataagattac taaaataaaa 420

tggntcctga atgggaantt ggnactgntt caaggccaat gggaa 465

<210> 4525
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C4

<400> 4525

ngtagccgtc cgaaaattcc agggtcgacc cacgcgtccg gagaaagcaa aatcaaagtt 60

gtgatgaaat ctctattgat gagaaccggt tcgatgccgg ttcttcaaaa ccggttaatt 120

tcaggtggtt catcgcggaa gatgacgcct atctccagga ccaactccgt cgaatcatta 180

tccagctacg gcgagagatt cgccggcggg aagatttcga tcgaggttaa ggctaatgta 240

gggatgcgga gggtgttatc ggaaagtgat gtgattagat ctgagagaat gttgaaaaga 300

gttggatcta agccttcgcc ggcgagaatc ccggaggatg atgaagcggg ggaagaagaa 360

aattangttt gcaagatggt tgggggtcct atgattctcc cggtgggttt aacctgtngg 420

anggagaaaa tgtttcaacg gggttggccg tnttttggtn gttngattct gggntaaaac 480

cggccgggtt aatggaaacc ggaaggaagg aaggcc 516

<210> 4526
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C7

<400> 4526

gcagcctcag gnacctctgc tactttcagn gcctccgttt cttcagctcn ttcctcttcn 60

tcccanttga cccatttgaa atcanccttc aaagctgtca aatatangcc tctgccatcg 120

tctcgctcca agtcatcatc cttctccgtc tcctgcacca tcgccaagga nccgcctgtt 180

ctcatggcng ccggatctga cncggccctg tggcaangac ncgnttcgtt cggtcggttt 240

gggaagtttg gtgggaanta tgtacctgaa acccttatgc acgcgctatc tgagcttgaa 300

tccgctttct atgctcttgc naccgacgat gatttccaga agagagttgg ctggaatctt 360

gaagggacta tgtgggtaga gaaantcctc tgtattngca gagaggttac ngagcaa 417

<210> 4527
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-C9

<400> 4527

tgatctcgcc cttgcttcag ggaaaatcta tgaagatgaa ggtttcaaat acatctctca 60

atcttttgag aaaggcactg tgcaccttat tggtcttcta agcgatggtg gagttcactc 120

tcgtttggat caagtccagt tgctgcttaa gggttttgca gaacgtggtg ctaagagaat 180

ccgcgtccat atttttactg atggtcgtga tgttttggat ggttctagtg tcggatttgt 240

tgaaactctt gaagctgacc tanctgcttt acgtgcgaaa ggtgttgatg ctcangttgc 300

atctggtgga ggtcgaatgt atgtcacaat ggaccgttat gagaatgatt ggagtgttgt 360

taaacgangt tgggatgcac aagtccttgg ggaaactccc canaaattta aaaacgctcc 420

tgaagcantt aagacactga agggnaagaa cctggtgg 458

<210> 4528
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-D12

<400> 4528

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attcggatca aaattgtctt caagcatcat ggatccatac agggttcgtc cttcaagcgc 120

tcatgattcc ccttttcttca ctacaaactc gggtgctcct gtctggaaca acaactcttc 180

tttgactgtc ggaactcgag gtccaatcct tctggaggac tatcatctgc ttgagaaact 240

cgctaacttt gacagggagc ggattcctga nagggttgtt catgccaggg gagccagtgc 300

taagggtttc tttgaagtca ctcatgacat tacccaactt acttctgctg attttcttcg 360

aaggacctgg tgttcaaact cctgttatcg ttcgtntctc aactgtcatc catgaacgtg 420

gcantcccga nactctcaga gattcccgtg gttttgctgt taagtttaca ccaganangg 480

gaaatttgat cntgttggga acaacttcct gta 513

<210> 4529
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-D2

<400> 4529

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cgatctatct ctttagttga aacttatcag aatggctcgt ccacaagacc ctccacgtgg 120

tttcttccct tttggaaacc ccttcaaaaa tctatcttcg aagaactcgg tactctcctc 180

aaagcttctc ccactcctga acaattttga gaccaactta gcatcttcta ttagtaagct 240

tgtccctaag gaaaagagcg atatcctgac tgtctcatgg atgaaacaag ctatggaatc 300

tctttgcgag acacataatg gtatcaagac ccttataacc gatcttgacc ttccngtatc 360

agattgggaa ggataaatgg gttgangtca accttgaaat tatngtgaac cttcttga 418

<210> 4530
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-D9

<400> 4530

ggagagatag agagagagaa agaggcgaaa ataatggcgt cgatccctcc gccggagctt 60

gacaacgact cactggcgtc atcgccgaga tcggagtacg atagtcagcc acgcgtacgg 120

ttcatgtgta cttttggagg aaggatcttg ccacgtccgc cggataatca gctctgttac 180

gtcggcggcg ataatcgcat ggtcgctgtt catcgtcaca ctactttcgc ctctctcctt 240

agtaaacttg ctaaactctc cggtaaaagc aacataagcg tgaagtacca gctaccaaac 300

gaagatcttg acgcgttgat ttccgtatca acggacgaag atgtagagaa catgatggac 360

gaatacgacc gcgtcgcaca naatcaaaac ccangcgcct ctcgtcgtcg tcttttctct 420

tcancaaaaa ctcc 434

<210> 4531
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-E1

<400> 4531

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncgt gatggagaaa 120

aacacaccgg tgaggaaacc acacatgtcg acggcggatc tactcacttg gccggagaat 180

caaccgtttg agtctcccgc cgccgtatct tctcgctccg ccgccagatc gcaccagccg 240

tcggatggaa taagcaaagt cgtatttgga ggacaagtta caagatgaag aagttgagag 300

cttgaacaag aggaagcctt gttcaaatta caagatgaaa gagatnacag ggagtggaat 360

attctctgtg tatgaagaaa atgatgattc cgagttagca aagtgctaan tcccgccaca 420

aaacggnaaa tcaagaactt ccaacaaaca 450

<210> 4532
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-E3

<400> 4532

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gagtacagga tctcactcta gcagcgagag ctcttctctc accgcttcta actctaccac 120

cgtcgccgcc gtctccgtca ccgcggcggc ggaagttgct tcgtcggtta ttccaggttt 180

tgatatgcct aatatgaaaa tttacggtaa cgggatcgag tggtcgacgt tacttggaca 240

aggctcatcg gccggtggtg ttttctcgga gatcggtggt tttccggcgg tttcagctat 300

tgaaactaca ccgtttggat tcgggggtaa attcgtaaat caagatgatc atctgaagtt 360

agaaggtgaa actgtacanc ancaacagtt tgggagatcg aacggctcaa gttgagtttc 420

aaggaagatc ttcggattcg aataagggaa ttgaaccgtt ggattgggga anttgcngtg 480

gagattaaac actggttgat taanc 505

<210> 4533
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B5

<400> 4533

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tgaactactg gtcacacgtt gactgttaaa ntcattgagg ctaatatcgt ggttcctgtt 180

acccggaaga ctcgtccagc gagttctctg agtcgtcctt ctcagcctag tcgaatcgtt 240

gagtgtctca tcngtgacna aactgggtgt atcctcttca ctgctcntaa cgatcaagtt 300

gatcttatga anccggntgc tacggtgata ntgctcaatt catggatata catgttcaag 360

ggtanantga cgctangagt tgatanatgg ggaccatcga aaccactgga tccncgtcnt 420

tcactgtcaa aggagg 436

<210> 4534
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H3

<400> 4534

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nnnnnnnnnn nnnnnnnnnn naaaatatct atcggttgaa gaagatctga agcttaactt 120

tgctctgtta cagactctca gggatctgcc ggctacaaag tccggtggat agtgttatta 180

ttagacaatg gcgtctaata atcatttcat gaacagtaga tccaatctat caacaaactc 240

tgatgctgct gaagctgaga ggcaccagca gcctgtgtca aattctgtga catttgcccg 300

caggactccc tctggccgat atgttaacta ctccaagaga tgatctcgat aacgaacttg 360

gaaatgtttg atttaactgg gctaatcggt tcaaaatcct ccaactccgg ntaaccaacc 420

taaggattcg tccanctctc aaaaagttga ngancantat gtctcgaaat ccctgttcac 480

gggg 484

<210> 4535
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H4

<400> 4535

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tacccggccg gagataatcg ccaagtacga agatcttcga gcgagtcgga tccggagctt 180

acgccgacgt ttacagagct cgccgtctct ccgacggtct aatcgtcgcg ctcaaggaga 240

ttttcgatta ccaatctgcg ttccgggaga ttgacgcgct caccatcctc aatggatctc 300

ctaatgtagt tgttatgcac gaatacttct ggcgtgagga agagaacgct gtgcttgtgc 360

ttgagtttct tangtcggat ctcgctgcgg tgatccgaga tggtaagaag aagaagaang 420

tagaaggaag ggatggattc ccgttgggga aattaagaga tgggtgattc aaattttaan 480

cggtgttgat gccttgtcan cc 502

<210> 4536
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H5

<400> 4536

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ggagacgatg aagttcaacg tcgccaatcc gaccaccggg tgtcaaaaga aactcgagat 120

cgatgacgat caaaaactcc gcgccttttt cgacaagagg ctctctcagg aagttagcgg 180

agatgctcta ggcgaangga attcaaaggg gatacgtatt caaagatcat gggagggatg 240

tgacaaagca agggttccca atgaaacaag gaattcccaa ctccaanggg cgtgtnccgt 300

cctttgcctn aaccgaaggt aatccttggt ttaaaggaca cgggaaagga ggactgggag 360

aagaaggaga cgaaaagtcn gtcccgtggt ttgcaatgtg aaccctgacc tgtctgttcc 420

taacttggtc aatgtgaaag aaaggtgtaa gttgatcntc ccg 463

<210> 4537
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H6

<400> 4537

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tggagaatca atctgatgtc atgcgttaca tacccaatgg tcataanaag gctttgcggc 120

aacaaaatac ggcanaaact aaagatcact tgttttctgc aaattatggt ggaatgagtg 180

ggtatggagc aagtcttggn gcttctacag tgggttccca tggacatgtc aacatcccta 240

aacgaacctc ctcttcancg agtctctact caacttcaga ccattcnaga ttangaagcg 300

tgggcttatc tgatgtcaat attangaatg gaaatattaa tggaacagac ttctccacag 360

ctggtggtta tatggcaaag aacaagttga attcattagc tgagcactat tccgctgaan 420

gccacatttg actggggat 439

<210> 4538
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H7

<400> 4538

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tccgggttgc tggggttctc aaagactgga ttctcatagc cctctccact gtcatatttc 120

ctgagtccac aatcactggg ctgaatataa ctggatatgc tatagcgctc tgtggtgttg 180

taatgtacaa ttacataaaa atcaaggatg taaaagcgat tcaaccaacc actgacagcc 240

tcccagatcg aatcacgaag gactggaagg agaagaattc gtcagatggg gggagcccca 300

gaggattgga gcttaacgat gaagaanccc ctctgataac gtcgcggttg tcgcatattg 360

gccggactca ncttggaaac acacggcagt ctganaatga ccgttaatgt tgttcacttc 420

caggtgaaaa tgtctttaac ccc 443

<210> 4539
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-A1

<400> 4539

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tgacaaacac aactcgttac tattctacga cagacttgaa gaaagaaggc attaagcatg 120

tgaagattgc atgcaagggt cgtgatgcag tgccagataa tgtgtctgtc aacgcatttg 180

tcaatgaggt taatcagttt gtcctaaatc taaaacactc gaaaaagtat attctcgtcc 240

attgtacaca tggacataat cggacagggt tcatgatagt tcattatctc atgcgatctg 300

ggccaatgaa tgttacacan gctttgaaaa tcctttccga tgcccgccca actgggatct 360

ataaaccaag attatattga tgccttatac tcgtttatca ccaaataaaa cctgaaagcg 420

tcatttgcca tcaactcccg aaagggaaaa 450

<210> 4540
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-A10

<400> 4540

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nnnnnnnnnn nnnnnnnnaa gtgaaaaatg gncgatggtg aggatattca gccacttgtc 120

ngtgacaatg gnactggaat ggtgaaggnt ggttttgctg gtgatgatgc nccnatagca 180

gtgttcctaa gtattgttgg tcgtcctaag cacactggtg tcatngttgg tatgggtcan 240

aaagangcat acgttggtga tgaagctcag tccaagagag gtatcctcac tctgaagtat 300

cnantccaac atggtattgt nagtaantgg gatgacatgg taaagatatg gcatcanact 360

ttctacaacg atcttcgtgt tgcccctgag gaacaacnaa ttncaatcaa aagggtaact 420

cttaanccta 430

<210> 4541
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-A2

<400> 4541

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tctttgcgtg atcttaccgg ctgcttaatt cgtcttcgcc tgattcgttg gtttcaaaat 180

tcgtctctct ctttcaatcg gaggttaatt gtttttctgt ttgggggtca aagcgaagat 240

ggtgaacgct atggtggaga gagcgacgag cgagatgctg atcgggcctg attgggctat 300

gaacctcgag atctgtgata tgctcaatag cgatccagcg caagcaaaag atgttgtgaa 360

aggcattaaa aaacggattg gtancangga atccaaaagc tcaaccttct tgcccttaac 420

tcctgcttga anacaataat gaaanaactg ttggtgacaa tgggtcaaaa atgcaatttg 480

gcttaaaaaa aggggttaat caa 503

<210> 4542
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-034-Q1-E2-A5

<400> 4542

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agatattgat cagatcagca gagtgaccaa tgtgctggga aatttaaatg aagaggtctg 180

gcctggttgt gttgatcttc cagactacaa gtcaatctca tttgctaaag tagaatctcc 240

tcttggtatt gaaggatgcc ttcccaacca ttcaggggat gtgatatcgc tgctcaagaa 300

gcttatctgt tatgatccag ctagtagaag ctactactat gggagatgct gaatgacaaa 360

tatttaagtg aagagcctct tccagttcca gttcagagct ctatgtgcct ccgacaatga 420

gtggaccaga tgaggatccc cga 443

<210> 4543
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-A7

<400> 4543

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cccttccatc gatttagggt ttccgatttt caaaatctcc tttttatttg tttcctctcc 180

ttgtgcaatt cccgtctcga atccatcttg acctgggggt ctgatccgat ctccctctaa 240

tcatatcgtg aagcgagatt atgtttttgt gctgcgcttc tgctttgatc gcttaggatt 300

atcaatcgtg ttatgatggt gggtactcaa aatttaggtg gttcgttgcc gccgctgaat 360

tctcctaaaa gctatggaat tacgaagccg ctctctcttg ctgggccttc ttcggcggat 420

attaagcgta atgtggagct g 441

<210> 4544
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B1

<400> 4544

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tgttcttctt ctgcttctcc cattccttcg atttttgctt caatggatgt ttgatttgct 180

ctctgactgc gtttgtttac tatactatgg accctgagag tatcatggct gctgatggga 240

ctgattctgc tcctgcaaat ggtggtttag caatggaaaa tgtatgtgtt aaagaaaatg 300

gggctgtttc tgtcgaaacc gtggacacta cttcagaaag tcagaatgag aattcggcaa 360

acagttccac tttggataca attgaacacg tcaaggaggc aactgaaggc acacaaattt 420

gaacatgtnn atgattcaaa ntgtatgaaa agggaaaaaa ctcaaacgga aaccaaaggn 480

atgagaaact atcaaggtgg gtaana 506

<210> 4545
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B12

<400> 4545

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atccggtcgg gacgtctgct ccggtggttc tgatcttaga acccccgata ttcgtcttaa 180

ccggccgaca gactctgtcg tcggaaactg cccgacggag gcgagtcctt tagttatggc 240

tgacgacgag aagtacggta acaaaatggt tatcaagtct cactcctcgc ctttatgact 300

atgtcctcaa caacgttcgt gagcatgaga ttttgaagca acttcgagaa gaaactgcca 360

ttagtcaaat tcangtgtca cctgatcaag cgcaattgct tgcaatgctt gtanagattc 420

ttggagctaa acnatgtatt gaaatttgga gttaaacn 458

<210> 4546
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-B4

<400> 4546

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gacatttgtt taagatactc ttgttcctgg aacacatacg aanatnaaga aagtcntcgg 120

acaaactgtt agagacctta agagagaggt caacaagaaa gtgctcaaag ttcctggagt 180

agaacaagaa ggttctatga tgctactagt aatgagccat ggggtccaca tggatcactt 240

cttgctgatc ttgcgcaagc ttccagaaat tatcatgaat atcagctgat catggtggtc 300

atatggaaac gccttagcga caccggaaaa aactggcggc atgtctataa ngncttgaca 360

attttggngt acaaggtaag gcaagggtna anaaccttgt tannaccaan atttgngaac 420

gttcatatca aantttca 438

<210> 4547
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H2

<400> 4547

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tccttctctc tctctctctt ctttctcaaa gagtaaaatg aaacacaatc tctgatgtga 120

agtcggttct gtccttataa atacccatta agacttctct ctctctctct ttctcaccaa 180

atagtttcat catctcttct tcactaaata cttagacaga gaaaacagag ctttttaaag 240

ccatgtctct tcagtatcat gttctaaact ccattccaag tacaaccttt ctcagttcta 300

ctaaaacaac aatatcttct tctttcctta ccatctcagg atctcctctc aatgtcgcta 360

agagacaaat ccaagaagcg gttccataca ttgttcaaaa gcttcgaact caagaataca 420

ttaattctca aaganggtca acatg 445

<210> 4548
<211> 352
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-G5

<400> 4548

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gagagggccg ttcagactga ggattggatt ttattggtac tgagagtggg aacgtagtca 120

ttcatgagtt aagttttgct tggaatggtc gtgagaagtg ggtcatcgtc tttttccctt 180

tgcgttgtgt tgtgtgatgt tggtacgggt tatcttcgtg cttcttgtcg aattgagtat 240

attgtatcag taaagaattt ataacttaaa aagagcctta tgtcaaatac gacgtcgttt 300

tgtatggaaa tggatttttt acaccgctga aaaaaaanaa aaaaaaaggg cg 352

<210> 4549
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-H3

<400> 4549

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atcggttgaa gaagatctga agcttaactt tgctctgtta cagactctca gggatctgcc 120

ggctacaaag tccggtggat agtgttatta ttagacaatg gcgtctaata atcatttcat 180

gaacagtaga tccaatctat caacaaactc tgatgctgct gaagctgaga ggcaccagca 240

gcctgtgtca aattctgtga catttgcccg cangactccc tctggccgat atgtcaacta 300

ctccagagat gatctcgata ccgaacttgg aagtgttgat ttaactggct antccggttc 360

acattcctca aactccggat aancaaccta agggntcgtt cnanctctca aaaggttgag 420

gnncaattat gtcncaaaat tccttgttcn angggcgggt tttaaaaggg tcnactccgg 480

ntcanccnta anggaaaaaa gtggnttcaa aa 512

<210> 4550
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-H7

<400> 4550

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tccgggttgc tggggttctc aaagactgga ttctcatagc cctctccact gtcagatttc 120

ctgagtccac aatcactggg ctgaatataa ctggatatgc tatagcgctc tgtggtgttg 180

taatgtacaa ttacatanaa atcaaggatg taaaagcgat tcaaccaacc actgacagcc 240

tcccagatcg aatcacgaan gactggaagg agaagaattc gtcagatggg gggagcccca 300

gaggattgga gcttaacgat gaagaagccc ctctgataac gtcgcggttg tcgcatattg 360

gccgggactc agcttgggna accacacggc agtctgagaa tgaccgttaa gttgttcact 420

tctcaggtga aaatgtcctt taaccccntt tggaacccaa aacagtttta aataggaatt 480

tactccggat tacntaacaa ttgttagttc tanaa 515

<210> 4551
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-A1

<400> 4551

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tcgtgttcgt aagcaaaaat ggtttgggag aaagagaaga tcgtcggaag ttgtatagtc 120

ggaggagctg cgttcgccgt cggagcttct ttccttcatc ttttccttaa aggtgagctt 180

ccgttaggat taggtttagg tttgtcttgt ccatggcgca ttttgagaaa acgaaaacct 240

gttcgcgttt acatggatgg ttgcttcgat atgatgcact atggccactg caacgctctt 300

cgtcaagctc gtgctctcgg tgaccaattg gtcgtcggtg ttgtttccga cgaagaaatt 360

atagccaaca aaggacctcc tgttactcct cttcatgaaa gaatgacaat ggtgaaagct 420

gtgaantggg tggatgaagt tatatctgat g 451

<210> 4552
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-A10

<400> 4552

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ggattctcta cagacagtat tgtctccgaa catggtgtta aagctcctaa tgttgtgtat 120

aaaggcagac ttgaagatga ccgatggatc gctgttaaac gattcaatag atccgcttgg 180

cctgatactc gtcaatttct tgaagaagca aaagctgtgg ggcagttgag gaatgagagg 240

ttggcgaatt tgattggatt ctgttgtgaa ggagacgaga gattgctcgt tgctgagttt 300

atgccttttg aaactctctc gaagcatctc tttcactggg atagtcagcc aatgaagtgg 360

tctatgaagg tnaaaatggc tttgtanctt gcacaagcac ttgagtattg tancagcaaa 420

aggccngcct tgttcaccat tttaagccta aagga 455

<210> 4553
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-A12

<400> 4553

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ttggatgagt atccaacttc atccggtggt ggtcctatgg atgatcctga tgtgtggagg 120

cctcctaccc gtgatgttac tagtcgaaga cccgccaggg ctggtcaaac tggtactaga 180

aaatcacctc aagatggggc ttgggctcgt ggccctacta cacggaccgg tccagcttcc 240

cgtggtggca gaggtggggc tactagtaag tcaactgcag gtgcccgctc ttccactgcc 300

ggaaagaagg gagctgcctc aaaatctaac aaggctgagt ctatgaatgg tgatgctgaa 360

agatgggaaa tcaaaaaagg gaattgtatt aagggacctg atnaaggact tgctgctaag 420

cttgaaangg aatttgttgg ctcaactnc 449

<210> 4554
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-A2

<400> 4554

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tggaactcca cgccggtaac cggaaaaagt tactagaatc aatacgccgt cagttatcta 120

gttccaatcg ttctctcgat ggatttgttc ttctacaggg tggcgaggag aaaaatcgat 180

actgtactga tcacaccgag ctcttcaggc aagagagtta ttttgcttac ttgtttggag 240

tcagagagcc agatttctat ggagctattg acattggaag tgggaaatct atccttttta 300

ttccaaggtt gcctgatgat tatgctgttt ggttgggaga gattaagcca ttgtcgcatt 360

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atgaacaatt taangga 437

<210> 4555
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B1

<400> 4555

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gttccaagaa attcctctac ttaatacagc tgattctaca gattcctgct acgaaatttc 120

tgggtctggg ttgatctttg tctcaccagt caacccaatt caggactttg ataaaggtgg 180

aaatggcggc tttattagct tctcagagct gctgctatgg cggtgagacc gcaagagtca 240

ccaaagctat tggtttcagt agctctttgg agaatcattt cactggggaa gccactcagt 300

gttatggcag caagtctaag agatttcgta ttgagatgag acagtcggaa ttgccctcta 360

aggttggaat caatggacgt tcagtcaaaa tggttcctgc gagtgaggtg gtgaagagga 420

aagatggtgt gaatggatcg gctgggaaag gtgttaatgg agcaatttgg ttaatagtag 480

aaacattaat ggtgcggc 498

<210> 4556
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B10

<400> 4556

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agatctatca tttggtttaa tcaaggttag ctagtgaaca tggcaacggg ggctgagaac 180

caatggctta aaggaagagt gaaggctgtt acctccggag actgcttagt gatcacggct 240

ttgagccaca acagagctgg acctccaccg gaaaagacca ttacttttc ttctcttatg 300

gcacctaaga tggctcgcag angaagtata natgaacctt ttgcatgggg aaagcaaaga 360

anttttgaag aaacttgcat aagaaaagga ggttcaatca aaattgaata anaagtggna 420

antaattgct ggnaaaaaaa tttgngcccg ttttccttgg aaaaaaa 467

<210> 4557
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B12

<400> 4557

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cctcgttgcg attctaacag gggggttgat ccatgcggtg tgtagtctag tccggccaca 180

gaattacgat tggtcgacga cgagggagat caaagtagtg gaagcgtatg cttcagggga 240

cgaagatgtt gatgttcctg ccgaagagct aagagaagag aagctgagaa gagccaaagc 300

ttggattgtg aaatggggtc ttgtcttcac tatcctcatt gttgtcattt ggncaattct 360

ctctctccca actcgcgtan ttagcaaagg atattccggg ttttgggcaa attgtggcaa 420

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<210> 4558
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B3

<400> 4558

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cgtgggctct tattgacgcg acgggacaga gtgagccact cgatgttgat aagtatgaga 360

tnatgcaccg tgtccagatt cacgctcgcg atctccggat tctagacccc aatttatctt 420

aaccttccac tattcctggg cgaaagagag 450

<210> 4559
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B5

<400> 4559

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ctttgatcaa actcaaaatt gaagaccaat actttgaagg attctggtaa agctaagcaa 180

ctatgagttc aaattcatgg gctgatgttt ctgaatcaga gagggcacca tctggtggtg 240

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caccatcttc ggagtttgtt gctccttcac ctggtaataa tgatcgtggg ggatatggtg 360

gtgcaaataa tggttatggt ggtcgaagcc aaggttatgg tggtcnaagt tcgggctatg 420

gtggtagaag aagtc 435

<210> 4560
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B6

<400> 4560

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naagctttna gctccagatc tgtggaaccg ccatagctat ggagttttag agaagttcna 180

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agtaaacaag ttgacatcta taaagactca gcttccatat tcgtattact ctcttccttt 360

ttgtcgtcct aagaagattg tggacagtac tgagaatctt ggtgaagttc ttcgtggtga 420

ccgaatcgaa aatgctcctt attcgtttaa aatgcgtgag gcgcaaatgt gtaatgttct 480

cggtcgtgtt atgcntgatg ca 502

<210> 4561
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-G1

<400> 4561

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gggttcttct tagtttcgac agattcttga tccgttttag ttgttacgct catctttgct 180

tttatacatc agacccttct cttctcttcc ttctttatct aagaaacatt agggttcttt 240

gaaatcttgc taaaaaaaat gggtgttgag aaaatggtgt gtttagcttc tcgtacgggt 300

cgtcagtttc aagagataca acanagggtc gtcgtcaaag tcnttggatg tgttccttaa 360

cagattcaan gctatccnat gatgggnaaa tnagtganga agtagnaagn ttcttggtta 420

acccccttccc aaaaaaaggg cacgcccctta atggttnccc caaangggtg ggttggggaa 480

ccttgatgaa atcgggtnga aagaannctg natcaaggag aaaggtcctg gaagaaa 537

<210> 4562
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-E3

<400> 4562

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ctcaaacatt ggctgtgaat gatgcgactg tgaagtttga gatatgggat acagctggtc 180

aggaacgata ccacagtttg gctccaatgt actacagggg tgcagctgct gctattattg 240

tctttgacat tactaatcaa gcctcatttg agagggcgaa gaaatgggtt caggaactgc 300

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acgcaaggaa aggtgtctgc agaggaaggc agagatatat cctcaagaga acaagccttt 420

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ataaccaaaa aggctacaac ntt 503

<210> 4563

<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4563

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ctctcctcac cgtcacgcgc cgcctcgcct ccgcctctcc ttccaccgtc ttctctttct 180

tcaacaccgc acaatccaac tcttcgttat tttcctccgg tgacgaagca gatcgtccgg 240

cgaacatcag agtatacgat attgccgacg gtgttccgga gggatacgtg tttagcggga 300

gaccacagga ggcgatcgag ctgtttcttc aagctgcgcc ggngaattcc ggagagaaat 360

cgccaaaggc gggagaagga ngttggtacc ggaagtgaaa tgtttgatga actgatgcct 420

tcctcctggg ttccccggct gataatggcc aacggagata aaangcctcc ttganntngc 480

gnttttggga ccgccggagc aaantcaatc 510

<210> 4564
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-E5

<400> 4564

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cgccgataac cgccacgtta tcaacttccg atcgccggga ctctacccgg agggactaac 180

ctgggatcca agggaccagc attttctagt cggttctctc cacagccgca caattcattc 240

cgtctccgac gctggagtca tcgaaaccct aatctccgat ctcgatctac cggagaactc 300

cactatcctc ggtctcgccg ttgactctac taatcgccgt ctccttgcct gtatccagag 360

tttgccgcct ctccctccct tcagtgccct agcctcctaa cgaatctccg gnagcggaag 420

gccgttcgtg taancctctc tccgtctccn cgttctccnt cccgggagaa cgaacgaang 480

aacatcggct ccggtgnaag tcngncaaat gaacgttggn cggggtttga 530

<210> 4565
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-E6

<400> 4565

cttttttatta tggttttcaa ttatgcagtt tccggataaa aaaaaaaaaa aaaagggcgg 60

ccgctctaga ggatccaagc ttacgtacgc gtgcatgcga cgtcatagct cttctatagt 120

gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 180

cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga 240

agaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatgggacgc 300

gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg tgaccgctac 360

acttgccaag cgccctagcg cccgctccnt tcgctttctt cccttcccnt tctccgcaac 420

gttcggccgg gctttccccc gtcaaggctc taaatncggg gggcnccctt taagggttcc 480

cgaattaagn 490

<210> 4566
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-E8

<400> 4566

ggaagaaaga aggaagacga tgatgatgct cagaatccga agcagagatg gactggagag 60

agtcacagcg gagggagctc atatcactgt ttcccagctc aaaaccttga tcgcggatca 120

gcttcagatc cctctccata agcagacctt atccaccaat cgtgatctcc tcctcgccaa 180

aactcccgct gatctactcg ccttcaccga cctcacggac ccaaacctcc ccctctcctc 240

tctcaacctc ggccatggct ctatgctcta cctcgcctac gatggcgagc gctccattcc 300

tggaagctcc tcccgttact cctgccggat cttcgggaag gaagatgacc gtcgatgact 360

tgatngcccg ccaaatgcgc gtnactcgtc aggagactct catgcaatcc gtcccttcga 420

ttgcgaatgc cgccaangct ttcaacaata agtnaatgag tcc 463

<210> 4567
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F2

<400> 4567

caaacccgaa aacaaagaac attcgtctct acgtgaagcg tgtgtttatc tctgacgatt 60

ttgatggaga gcttttcccg agatatctga gctttgtgaa gggagttgtg gactctgatg 120

atcttcctct taatgtttct cgtgaaattc tccaagaaag cagaattgta agaatcatga 180

gaaagaggct cattaagaaa aacctttgac atgatacaag aaatctctga gagtgaaaac 240

aaagaggatt acaagaaatt ctggganaac tttggnagat tccttaaatt gggttgtatt 300

gaagacaccg gtaaccacaa gcgtatcaca ccgctacnta gattcctcag ttccaagnaa 360

tgaagaggaa ntgacaaagc ttgggatgat taaatcnagg aacatgggag agaacccgaa 420

aggggattta acaaccccnc caactngnaa ntcctnaaag ngnaaatttg gccccttttct 480

tnngggaaaa cattcccnaa gaa 503

<210> 4568
<211> 563
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F3

<400> 4568

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atgggacgga tcttcgagta cttcgtcgtg tgcggacttg gtccagagat gcgaaccgtg 120

gatggagatc ttggattcca tggaatgcaa acattctact tgcctgctct tcttgaccag 180

ttccctccta ctgatcaatc tccttaccct gcccctcctc ctcagcttcc tacttgtgtt 240

cttcctgctg gggtggagtt ccattcttct ggttttgttt ccagtgaccc tgcaagtttc 300

ccacggagct atccccataa gtccttgaac gggaggggtg atgggattaa aaaataattt 360

ggtcaagttt gcaattggca antttccggg ggaatncnaa ntcctggttg aagggaataa 420

ttaaattgga aagccttaaa ccgcctttaa ccggcccgaa attacattac gcaagnacca 480

aagttggtaa cccggtccct gggggtcccc aaaggccccc caaantttcc cgtgggttcc 540

ntccgtaaat tccccccccaa ana 563

<210> 4569
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F4

<400> 4569

gcaaaaactt gcggactcca nagtgagtgt gagaatcgga gatgtctttt tcagtagtag 60

cagctttacc ggtgcttgta gcagtagtgg tactgtggac atggcggatc gtgaagtggg 120

tctggataaa accaaagatg cttgagagtt ctttgaaaag acagggtctt accggaactc 180

cttacactcc tctcgtcgga gatataaaga ggaatgttga tatgatgatg gaagcgagat 240

ctaaacccat caatgtaacg gatgatatca ccccacgtct ccttcctctt gccttaaaga 300

tgctcaattc tcacggaaag actttcttca tatggattgg accacttcca acgattgtga 360

taacgaatcc tgagcagtna aaggaancct taataaantc aacgactttg gagaaannct 420

tccaaaatcc ccttngatca anattggtaa ccagggtggg ncttgcaaat ttaccaangg 480

ganattaaat gggccnaant cnnaagggag gnttnatcaa acccgggctt tt 532

<210> 4570
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F5

<400> 4570

gggtgaatcg agtcatggtg ctcactgagc tcgctgcgtt gtattactca ggtactgtag 60

ttgctaacca atggctcaaa ttctcgtcga atttaccatc gaaacctaga agtcctgtgt 120

taatgtctag ctcggttttc gcattgtgtg atgttggatc tccatggaga agtcaatgga 180

agcttttctc atgtaaattg acgaatctca caatcactca taccaattgg gtttgcttgg 240

agaaacatga atggggtgat atattcgata tcatcaaacg accgcgttta ttgcgcggta 300

acggtgattc taagcttctt atgatcggtg gattgaaatc gacgttttcg ttgaacccgg 360

cttgttcaac gattctgata cttaggcttg atctagaaac cttggantgg aaagaancaa 420

gtagaatgcc gttanagatg tnccgaaggt ttcaagaatc nagtaaantt aaaagttttt 480

ggaggtggan 490

<210> 4571
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F6

<400> 4571

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agtttcagct ttatgaatcg ggagtgtttg acggaacttg cggaacaaac ctaaaccatg 120

gtgttgttgt ggtcgggtat ggaaccgaga atggtcgtga ctactggatt gtgaaaaact 180

cgaggggcga cacatggggg gaggctggct acatgaagat ggctcgcaac attgccaatc 240

caagaggcct atgtggcatc gcaatgcgag cttcataccc tctcaagaac tcgttttcta 300

cggataaagt ttcggttgcc taataatatg aactaaatgt atgccatgga acggatcggt 360

taagccatta tcgttattcg actttgaagg aaactaaaaa taatggtggc cnattggttt 420

ggtttggtaa aaaataagcc attggtatgg gggcaatcca agnttgaacc ttggaaaana 480

attccttggg tccaagtgat aataatttnc 510

<210> 4572
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F7

<400> 4572

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agtctctcat caatggcggc tcgaaaacta gggtcgttgt tacgtcaata ctttttctct 120

ctatgcttcc tcttcctcgg ttgcttcttc ttccctaaag acgcagacta taaacaaaag 180

agaagaaaga agaagcttag aagagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nggacgtatt taaaacgagt tttcttatcc acgacaagga tatccaaatc ccgtaaccaa 300

acacatccta acgttacttt aacatccgca agatatctca aaactccctc gtcactctcg 360

tcnaacccga taccacaaac caacccgacc cggaaacacg tattcatcag caaaccggaa 420

ttcganatcc ctccttcgac gagattttcc cttgnaacnc gtggnggcna aattttccca 480

aanatcaatc ccctcgagaa tcanatcgc 509

<210> 4573
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-F8

<400> 4573

gatcatctta tcttcacaag aagaacaaga agacgaaaga tgttgtagct gataaagtca 60

aaacagaagt caaggaagca aaaacagagg aaatcaagaa cacagagcct gaaacagagc 120

aaaaacagag ctgtgttata aacgagaatc tgaagaagat cgctagaccg gatcatttct 180

tgcctgtgac tgtgatcttg gttcttgtgt ttttggcttt ctttggaaga tctgtagcga 240

ttatgtttac ttgtatcgct tggtacttgg ttccaacgat tcaagaacag agtggaaaca 300

gaggatcatc accgtcttac gcgatgaaga agaaagattt cgctaggaaa ttgagtattg 360

aaaacagaac atcgtttaat ccaagaactg gtccgtgatc attcncctcg caagtnngaa 420

gaaatttcta antttggncn gcncnntgaa aaaaaaccgc gttgaccgaa ccnaaaacnt 480

tttttccctt ggtcaaaaag ttttttnggg cccc 514

<210> 4574
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-033-Q1-E1-E2

<400> 4574

gaaagaagaa acctttttga ttctctttgc gatttctttg ttcaatctct tctcagattg 60

tgtgaatcgg gtttaaatcg gggttttagg gtctctgttt tcaaaagggt accaaaaagt 120

ttggagcttt actgtagaaa gatttgattt ttcgttgacc cactccgaga ttttcggata 180

caaatcaggg ttttagggtt tttgttggaa tggaagagga ttatcaacag ccgaggttta 240

cgattggtag gcaatcatca atggcgccgg agaagattcc ggagccgtcg gttcactcag 300

aagaagangt gtttgaggat ggagaagaga tcgatggtgg tgtgagacta atgtatttgg 360

ctaaatgaan gtgacattga anggattaan ggagcttatt gaantccagg gaattgatgn 420

caaattnccg gangacattg gattnatncg ggncngncnt tacnngttgg cnggcnttgt 480

caanggattg gaaangaaag tttgttg 507

<210> 4575
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C4

<400> 4575

tcatcttctc ctctttagcc tttcgacaaa acacaaccca cgagttaact tccatggcca 60

cgcagacacc aaccagcgtc gacagacata gacagtaacc gagctttgcg tacgaccttc 120

cttcccttaa aacctcaaac ccttggaaca cattcaccac gcccatcacc acacacgcgt 180

acccgacaaa atgatggtaa gacttccagt acctccggaa cttattggtc gtctttggtc 240

tgaacagcaa agccagtgtt tgcagcgccg ctgctgtgaa agtagctatc ccgaggctcc 300

gatgtaaccc ataggtcact ccaggggaat tatggccgag cacgattcca atggagaagc 360

caatggttcc tanggaggaa accgggttag ctgtattgct gcgtgggatg tagaancaag 420

ttgggtccta ntgattgcaa tttgggcgga ggtaaccaac tgttancggc tnccgccggg 480

ganggagaaa aacccc 496

<210> 4576
<211> 513

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C5

<400> 4576

ggatcacttg aacacttana aaaaatattt tgctcttctt tctatatatt tatnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnactcat tttctccgca gagaaaatac 120

aatccatggc ttctactttt aggctctcta ttagcttcct cactctcatc ctcttctctc 180

tgtgggtagt ggaggcacac acgtctagaa agttgatatc aatcaaggaa aaagaaggtc 240

aagatattan tcatttgctc aaagatggtg aatttgatga cccttcgttg tacatgtatt 300

tcacactcaa tgatctcaaa ctanggaacc aaattgctga tttacttcta caagaaacga 360

tcttcaaaag cttcntccca cttctcagan gacancaagc cgatctcagn cctttcacta 420

agtcaangcc ntgacgncct tcctcgancn agntcncnat cagnanngac tcncgtcaan 480

gggaaangcn ttaggggga cnttggggac ctt 513

<210> 4577
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C6

<400> 4577

gaaatagaga gagagagtga cagaggagtg tgtgaacatc ctttttttag tagatttggg 60

ttttcgagat gccgtattga atcggctacg aatttcccaa ttttgaattt tgtgaatctc 120

tctctttctc tgtgtgtcgg tggctgcgat ggaggccagt gccggcttgg ttgctggatc 180

ctaccggaga aacgagctcg ttcggatccg acatgaatct gatggcgggt gcagaccaaa 240

cctttgaaga atatgaatgg ccagatatgt cagatctgtg gtgatgatgt tggactcgct 300

gaaactggag atgtctttgt cgcgtgtaat gaatgtgcct tccctgtgtg tcggccttgc 360

tatgagtacg agaggaaaga tggaactcag tgttgccctc aatgcaagac tagattcaga 420

cgacacaggg ggaatcctcc gtgttgaaag ganatgaana ataaggatga tgttgatgat 480

accganaatg ggttcaatta 500

<210> 4578
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C7

<400> 4578

ggaataacga atcgaatcgg gttgtcgaaa cgcctaattc aattgagaat gctactgttt 60

ctggtggcgg gtttggtgtt tccgggtcgg gtaatttccc gagacctgag atgtggggag 120

gtgatcctaa tatggggttt aggccaatga tgaatgcacc aagaggaatg caaatgatgg 180

gaatgcatca tccaatgggg ataatgggta gaccaccacc atttcctttg cctttgccgt 240

tgcctgtacc gtcgaatcag aagcttagaa gtgaggaaga ggatttgaaa gatgttgagg 300

ctcttttgag taagaagtct tttaaggaga agcaacagtc taggacaggt gaggagttgc 360

ttgatctgat tcaccgtcca accgctaaag aagccgctac tgctgctaag tttaaaagca 420

aaggaggata caggttagta tactgtagta tttaactaaa gangattgcc tctcaatccg 480

ggtccanaaa 490

<210> 4579
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C8

<400> 4579

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ctcagttaaa gtttttctta ggtcagacca atggattcat tggaggaata cctaaatcgt 180

tggcgaattc accgagtttg aatctgctta acttgaggaa caattcttta tcgggtcgtt 240

tgatgttgaa ttgtacggcg atgattgctt tgaactctct tgatttaggt accaatagat 300

tcaatgggag gttacctgag aatctaccgg attgcaagcg gttaaagaac gttaacctcg 360

cgaggaacac cttccatggg acaagtacca gagagtttca aagaacttcg agagcttatc 420

ctacttcctc gttaaccgaa atccaagttt gggctaatat ctccttcagc gcttgggaat 480

acttcangca ttgcaaagaa ctttacgaac tttgggtcct 520

<210> 4580
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D1

<400> 4580

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ccgttacacg agatctcacc gccgtcggat ctccggagaa tgctcctgcg aaaggacgtg 180

cttcggttta cagtgaagtt caatcaagcc gtattaacaa cactcttcct ttgccttctg 240

ttctcaaagg agctttcaaa atcgtcgaan gtcccgctag ttccgccgcc gggaatccag 300

atgagatagc gaattgtttc cgggtctata tggccaagcc atcactagca ntggttccag 360

gtcaggatgc accttcgtcc ggcaccgata tngaagattg gtgttntttt ggcnggnnng 420

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cananaacct tgcgaaaaag gtaaccacan tttacggggt tc 522

<210> 4581
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D2

<400> 4581

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ggttcctagg attggcttca ggtgaatgga ggtgaattaa gaggctgcaa catcaaatat 120

tctgactccc taaaaggatt tggcanattc gcttccacct ccactcaagc ttccgatgaa 180

gttttgcttg ttgttccgct tgatctggcc attaccccta tgagagttct tcaggaccct 240

ctcctgggcc ctgagtgtca gaaaatgttc gaacaaggac aagttganga ccgctttctc 300

atgantctgt tcctcacttt ggngcgtctt cgtatcaatt cntcttggaa nccgtatcct 360

gatangcggt ctactcgatt tggcaacctc nttggatttc tgatgatnaa tcntttagcc 420

taaagggata aanntgttcn cggcaaccga gttacagaag aagnngttgc tcccngnttn 480

nccatgacca aggggganggt cctgggta 508

<210> 4582
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D3

<400> 4582

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ggggtgtcga gctggcgttt cagagagtcc caggggtgac tcagaccgag gctggataca 180

cccaagggac cgtagacaat ccttcatacg gagatgtttg ttctggtacc acaggccatt 240

cggaggttgt tagggttcaa tatgatctta acgattgcac ctatgagtct ctgcttgatt 300

tgttctggtc taggcatgat cccaccactt tgaatcccca aggggaaatg acnttgggaa 360

cccaaataca gatctggaat atacttctac acacccgann caggagaaac tancccgtga 420

gtcacttgaa cgtcaccagc aacanattgg nggaagaaag tnnatgactg aaatccttgc 480

aactangaaa ttccacanag ctgaagagc 509

<210> 4583
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D4

<400> 4583

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aacatcgtcg ggtcaggtcg aagaaaggag agaaatgagt ggtcacgatt cgaaatactt 120

ctccacgacg aagaagggag agatccctga gctcaaggaa gagcttaatt cccagtataa 180

ggataagaga aaagatgcag ttaagaaggt tattgcggcg atgactgttg gaaaggatgt 240

ttcatcactt ttcactgatg tagtcaattg tatgcaaacg gaaaatttgg agttgaagaa 300

gcttgtttac ttgtatctca taaattatgc gaaaagccag ccagatctgc taatccttgc 360

agtaaatacc tttgtaaaag gattcacang attcaaatnc cgctgaatcg tgcctttggg 420

ctgtnccggg acaatggggc tggcattcnn ggttntgaga aaaancccng gnannancca 480

aggggntccc cctccaaaaa gt 502

<210> 4584
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D5

<400> 4584

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cagatgaaga tgaattctct atttacaaac agagaagcac tcatatgaga aaccattctt 180

tagaagagga tttggaggct gagaagacca tttcctttca agataaggtt gatccaagtg 240

gagaagaaca aactctgatg agaaatgagt ccatctcaag aaagcaaagc gatctcgaga 300

caccggaaaa gatggaatca tttagcacat ttggcgatga aatccaatcc gtgggatcnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn tcaatgcctt cagagcaaaa ctcaactaga aggagaagaa 480

n 481

<210> 4585
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D6

<400> 4585

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ctcaaccctc atatcgccgt gttttctcgc tctagtaccg cgagctcgga cgaaccagga 180

agcaatccgt taatctagaa gcggtgttga gaagatgacg attacatcaa atatctctgt 240

acagaacgat aacctcgttg ttcaagggaa gactatcctt accaaaatcc ctgacaacat 300

tatcctaact ccggttaccg gtaatggatt cgtttccggt tcatttatag gcgcgacgtt 360

tgaacaaagc aagagtcttc atgtgttccc catcggtgta ttggagggtc ttcggttcat 420

gtgctgtttc cggttaagct atggtggatg actcaganat ggaaactgtg gaaagaaatc 480

ccttggng 488

<210> 4586
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-D8

<400> 4586

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cgctgcgaga agcctgcaca tcttcagtgt ccgaaatgca tagacttaaa gcttcctcgt 180

gaacaagcct ctttctgcac tcaagaatgt ttcaaggcag cttggagctc gcacaaatca 240

gtacatgtga aagctcagct gtcttcaatc ggtgatcaga actctgatct tatttctcaa 300

ggctggctct attgcgtcaa gaaaggccag gctagaacac ctaagcttcc acactttgat 360

tggactgggc ctctaaagca atatcccata tctaccaagc gtgttgtgcc tgctgagatt 420

gngaaacctg actggggcaa ntggatggga ncccaaaant tgaaaccgaa nagtgnttta 480

anaacaggtt gtttaggnat aaaa 504

<210> 4587
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-C1

<400> 4587

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cattgccact gtttcggtgg ttatagctca agtccctccg gagaaacaat tcagagtcgt 120

caacgaagga gaattcggtg aatacatcac tgagtacgac gcaagttaca gattcatcga 180

atcatcaaac cagagcttct tcacatcacc attccagctc ttgttttaca acactacccc 240

tagcgcctac atcttagctc tccgagtcgg actcaggcgt gacgagtcta ccatgcgttg 300

gatatgggac gcgaatcgca acaaccccgt cggagaaaac gctacactct cactcgggcg 360

ttaacggcaa cctcgtcctc ggctgaagct gacggacgaa tcaaatggca gactaacaca 420

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caaaaacggg aaantcgta 499

<210> 4588
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A5

<400> 4588

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ttgcctcttc ctctcttgtt tcactcttta gggtacacac aaattcactc ttttttcttc 120

tttgtttggg aggggaaaag ttacagtttt ttcctctgtt ttggatcaaa atttcgtttt 180

tttggttgtg ttaagaaagc aacagagaga gagagaaaga ttgaaacttt ggatgtgaat 240

ttagggtttt gtgaattggg gaaaaagcaa tccagagatg gctcaacaga gacaatttca 300

gatggaaggt ggtaataata atacaacaga taccaagttg acgaaaatct ttgttggagg 360

attagcttgg ggagactcaa gagagatacn at 392

<210> 4589
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A8

<400> 4589

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntaa ncgatcgagt 120

cttcctcgac ttctccctct gccccaccta cttccgctca gatccctccg cgacactctc 180

ctccaccaca ccttgctccg attcaactcc tctcggccgc gtcgttctcg gattatacgg 240

ccgtcacgtt cccataaccg tctcaacttt caaacgtatg tgtacttcat cttccacatc 300

ttacaaaaac acacctgtcc acaaaatctt ccctggtcag tattttctcg ccggaagaca 360

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<210> 4590
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A9

<400> 4590

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gctaatcagc tacctcaatt cgctccttct tctgttcctg cttcatcaac tgttgagaag 180

aagttggaga gtttgcctgc tatggttggt ggtgtttggt cagatgatag aagtttacag 240

cttgaagcga ctactcagtt ccggaaattg ctttctattg agcgtagtcc tccgattgaa 300

gaagtgattg atgctggtgt tgtgcctcgg tttgtggaat ttctcactag agaagattat 360

ccacaacttc agtttgangc tgcttgggca ttgacaaaca ntgcttccgg ggacttcaga 420

gaatacaaaa ggtgggtcat tga 443

<210> 4591
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-B12

<400> 4591

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ttactatttt ggatgttaaa agctctcggg aggtttcatt cctcttagat catgctgctc 120

gtaacaggtc tgtagggaag actcagatga acgagcaatc ttccagaagc cattttgttt 180

tcacgctaag aatctctggt gttaacgaga gcactgagca acaagtacaa ggtgtcttga 240

acctgattga tcttgcgggg agtgagcgtt tatcgaagag tggatcaacc ggagatagac 300

ttanagaaac tcaagcantc aacaaaagtt tgtcgtcgct angcgatgtc atattcgcct 360

tagcaaaaga aaggaaagat catgtaccaa ttccgaaact caaaagctca catatcttct 420

caagccntgc t 431

<210> 4592
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-B3

<400> 4592

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cgtcttcttg gattcgtggt tcttgtgttg gaagaggttg ttttggtaca gtaagcaaag 120

ctttgagtaa aatcgacggt ggacttttcg ccgtgaagtc gatagatctc gccacgtgtc 180

ttccttctca agcagagtcg ttagagaacg aaatcgttat tctacggtcg atgaagtctc 240

atccaaacat agtgaggttt ctcggtgatg atgtgtctaa agaaggaacg gcgtcgtttc 300

gaaatcttca tttagaagta ttcaccggaa ngtgacgttg ctaacggtgg aatcgttaac 360

gaaacgcttc tcaagcgtta cgtgttggtg tcttgtcncc ggctttgagt ca 412

<210> 4593
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-032-Q1-E1-C1

<400> 4593

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tggaaataca gatcctaatg accattactg ttggatgcga cctgaggata tggactataa 180

aaggcccgtg actacttgta atggtggatg ttcggatctc gctgcagaga tggcagctgc 240

tctggcttca gcatctattg tattcaagga taacaaggaa tattctaaaa agcttgtcca 300

tggtgctaag gtggtgtatc agtttggaag gacgaagaga aggagatata gtgcaagcac 360

tgcggaatcc tagcaagttc tataattcaa gtatggtatt ggggatgatt catttggggg 420

ggggg 425

<210> 4594
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C10

<400> 4594

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tggccgaaac ctcgaagcaa gtcaacggcg acgatgccca ggatcttcac tcgcttcttt 120

cttctccggc gagggatttc ctcgttcgta atgacggcga acaggtgaaa gttgacagct 180

tgttagggaa gaagattgga ttgtattttt cagctgcttg gtgtggaccg tgtcagcggt 240

ttactccaca gctggtggaa gtctacaacg agctctcttc gaaagttggt tttgagattg 300

tgtttgtgtc aggtgatgaa ggatgaaaga atcatttgga gattatttca gaaaagatgc 360

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gagtttgttt taang 435

<210> 4595
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C12

<400> 4595

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cctttgcttc aggccatgta tggagattac actcaaaccc tcatggtcca actcgttgtt 120

cttcaatgca tcatttggta tactctgcta ctattcctct ttgaactccg agcagcgagg 180

ttgcttatcc gagcagagtt tccgggtcaa gcagccggat caatcgccaa gatccaagtc 240

gacgatgacg tcatttcctt agacggcatg gatccgctcc gtacagaaac tgaaaccgat 300

gttaacggtc ggatcaggct caggatccga cggtccgtat catccgtacc tgattctgtt 360

atgtcctcct ccttgtgctt aaccctaaga gcctctaatc tttctaacgc cgaagatttt 420

cnccgtc 427

<210> 4596
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C2

<400> 4596

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ggaggaacag aaagtatagt gttggctgtg aagtcatctc gtgactatat gaagtacaag 120

aagggaatca cacggccaga aatgattata cctgagtcgg gtcattcggc ttatgataag 180

gcggcccagt attttaaaat caagttgtgg cgagttccag ttgacaaaga cttccgagct 240

gatgtgaagg caacaaggcg gcatattaac agaaacacca tcatgattgt tggatcagca 300

ccaggattcc ctcatggcat cattgatcct atcgaggagc ttggtcaact ggctcttaac 360

tatggaatat gctttcatgt tgacctttgc cttggnnggt ttgtgttacc cttcccccct 420

aaan 424

<210> 4597
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C3

<400> 4597

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cttctcttca tcgtcgtcgt cggcgtcaac gctcagaatc ggagacctaa gaatgttcag 120

gtggctgtta aggctaagtg gcagggtact cctcttctcc ttgaggctgg tgagttgatt 180

tccaaagaat cgaagcagtt gttctgggag tttactgatg cttggcttgg ttccgatgga 240

gatgattccg attgtaaatc agctagagat tgtcttctta agatatctaa acaggcttcg 300

actctgttag ctcaaccagt ggcttctctc ttccatttct cacttactct gaaatttgct 360

tcgcctaagg cttgtgctta acgtcaattg gctgatgagt ctcaancttc cttccccaa 420

gg 422

<210> 4598
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C5

<400> 4598

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tctctgacgg tgaccgccgg tgatcatttt ttgtgaactt cacttttggt gtataaagca 120

tagttcgttg ggaacttttt tttacagctt tggagtaact acctttcatg gtttttggtt 180

ccaacaatgg ggtcaaaatc atttggaaat ctattagact tggcctctgg ggatcttttg 240

ngacattcct cagactccga gatatcttcc aagagtgatg actgttcctg gcattatctc 300

tgacgttgat ggatatggaa attagtgatg gcgaatcana tgtcanttca ntaccttggc 360

cgtgagcggg gaaatcattg tggccaattt tcntcctttg gaatgggtaa aaaggattca 420

cnaact 426

<210> 4599
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C6

<400> 4599

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cccaactgga attgacccaa caccagaaca gtgggtaaaa attgctgatg tcattcacga 120

aaagaaccat atcccatttt tcgatgttgc ataccagggc tttgctactg gaagccttga 180

tgaagatgca gcatctgtga gattatttgc tgagcgggga atggagtttt ttgttgcnca 240

ntcatatagt aaaaatttan gtttgtatgc ataaagaatt ggggcaatca atgtcgtgtg 300

ctcctcagct gatgctgcta caaaggtcan agagncagtt gaaaangaat gctcggccta 360

ngtagctcca atccaacant tcaagggggc gaagaatcnt tggccaaant actggggtga 420

tgttaac 427

<210> 4600
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C7

<400> 4600

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gccggagtaa tctctttgcg tgatcttacc ggctgcttaa ttcgtcttcg cctgattcgt 180

tggtttcaaa attcgtctct ctctttcaat cggaggttaa ttgtttttct gtttgggggt 240

caaagcgaag atggtgaacg ctatggtgga gagagcgacn agcgagatgc tgatcgggcc 300

tgattgggct atgaacctcg agatctgtga tatgctcaat agcgattcag cgcaagcaan 360

agatgtttgt gaaaggcatt aaanaacggg attggtaaca aggaatccaa aagcccaagc 420

ttcttg 426

<210> 4601
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-C9

<400> 4601

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cacaatctct cttaaatgcc aaaggtcctc tttttcgtct tcttccactc tctctatact 120

tctctcacaa atctgggcat gttttgaaat ccacattctt cattcactga gtttccttta 180

cctcttaaag tttcaatctt tagattgaga gagaaatttg aagtaattta aggtaacaag 240

aagagaacaa ttttgttctg ttatggtggg ggcgatggca aacaatggaa gaatccggtc 300

agcttttccg gtgactaatg ggtcaaaaga tctgacgccg aacagtgctc cggcgagtac 360

aancggattt gaataaggnc cctgttgagt tcacaaggaa gaaagacgtt gaaactcctc 420

cntaatgaac gaatcaaag 439

<210> 4602
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A4

<400> 4602

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ctttggactt tgaaaactta gcgaactgaa acatctaagt agctaaagga agggaaatca 180

accgagaccc cgttagtagc ggcgagcgag agcggatttg ggattttaag aaaaagaaag 240

acgaagcttc gttccaaagt gttcacttct ttttcgccaa ggtttcattc gatttaatgt 300

ggattgggat gatggaaaaa ccaacaagcc cctcctcttc antccaagtt acttcctacc 360

ctngactgga aagatcccta aaagggcgct gttaaaccgg tnaattgtga aaaaaggttg 420

gnaaaa 426

<210> 4603
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-F12

<400> 4603

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntgg aagagtgtgg 180

cccaacatag agatatagag ctgttatcgt ctgtctttca tggcggagca gaggtgatcg 240

tttcactatt caatttcact cgtcgatcat taccaacctc tgcgggcaaa gatggaattc 300

gagaagatca aggtgatcaa tcccgttgtt gaaatgggtg gagacgaaat gactccaagt 360

tatctggaaa ttcatcaang acaagnttaa tttccctttc ctgggagctg gntatcaaat 420

actttgatct tggnctgcct aaccgnnant tcactgatga naaggttac 469

<210> 4604
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-F5

<400> 4604

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caagtattaa aaagcggctt ggatgctaac tgcaaactaa tgggggatct tgtcaagaga 120

cagttttgan tgttgatgta catcaaagca atcatgaaca gacacaggct tctctcagcg 180

gcaacagatg aatgcaataa aaaacttggt caagcttgct cttcttcttt atctccagtc 240

cataactttc tgaatgtcca gccagaacac cggaaaactc ctttcataag gtcacaatct 300

ccagattcac ctggtcagct atggccaaaa nattagttct cagagcacct tctctcggtc 360

tcccaccttt gcacaaacct cnacttgtca catcttcaac tcctgagatc anaaacatcn 420

aggaacagtc tcctttctcc ctgatnctcc tctaa 455

<210> 4605
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-F6

<400> 4605

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ntatctgcca ctatgtctgg tgtgacttgc tgtctgaggt tccctggtca actcaactct 180

gacctccgta agcttgctgt gaatctcatc ncattccctc gtcttcactt cntcatggtt 240

ggttttgctc ctctcacctc aagaggttca cagcagtacc ncnccctcac aagtncctga 300

gctcacccan catatgtgng acccaggnac atgatgtgtg ccgnatacca angcacgggc 360

gctaactcaa acctctgcna tgttccgttg naagatntcc acaaaggaat tnacatcata 420

tgctnaatgt tcaaanaaaa ntccnccaac ttgggggggtg ggtc 464

<210> 4606
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-F7

<400> 4606

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ggaacanaca gcgaaaggtg ggtcttattt acnacganac gatgtgcaaa cacgacacac 180

ctgacggcga ggatcaccct gagtgtcccg accgcatcag agttatctgg gagaagcttc 240

agctcgccgg agtttctcaa agatgtgtgg ttcttggtag tancacagca gaagataagc 300

atctccaatt ggttcacaca aaaggaccat gttaattaat ttaagagtat tagcacatac 360

agagaagatt accggagaaa caaggattgc ttcacagttg aattcgatta atctgaangg 420

agggttatcc tgaagccgca taccttgcan ctggttctgt tgtaaa 466

<210> 4607
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-G1

<400> 4607

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tccgggaaga gctcaggacg ccaccggtaa gtctggtggc tctcttcgga tacgcggagc 120

tacacgcgtc cattactaag tatctccact cccagcagcc tcccatcaac gctctggcct 180

tccccgactt ctctcaaatc tctctcctcc ttgctcatga tgatcagatc agccgaacct 240

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gcggtatttt gaaacgggac tggttgctta agcatcgcac caaggtccct gcacttgtcg 360

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gtggtccaat cntctcccca cgaaggacat ttancgacga 520

<210> 4608
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-G6

<400> 4608

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ctatgattga gctccatgga tctgcaatca tagttcttcg atttaggatt cgtttagatc 120

gcggtttttg agctcggttg gtgaagacat atgcttgaaa acagaagtct tgtactgaag 180

catggctctt cggctaccag cttctaaagc agctgangtt gcgattgggt ctattggatg 240

tggttangat ctagctattg ctttacggnt gaagtattgc ncaggangtt cnaaagattc 300

tanattacnt gacactaaca gaaggtgatg ataattgtga gattgtttta cctggtggnc 360

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aagtccgtnt tcctccttca ac 442

<210> 4609
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-H1

<400> 4609

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gccttgtaca tatgggaaga ttgaaactga agagggcagt gttagtccca gaacagtgcc 180

aaggatacga aacattgtgc ttccaggaaa tgttagccct gttggtcatc agtctaccca 240

tgatatcttt tctggtcagt tagcagcgtt ggtagctact acaattganc atgtcatagc 300

tccctgatgt caggtttgan acggttgatc tagcaactag ggtgctggta cctatcattg 360

tgctccaaaa ccacaatcga tntaatatca tggaaagang acaaaactac agcataanta 420

ttgaaagaga tanaatccng angtaaagaa aatgattcat catggccaa 469

<210> 4610
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-H12

<400> 4610

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caaatcccag ctttcttcca agtgatcctt cactctctat actgcgattt accgttcttc 120

tgactcttgt tgcgaattcg gatcggctga cgcagctccg attgcacaac aatggcttct 180

cgtatcatca atcattccaa aaagttgaaa catgtttccg ctttactgcg gcgtgaccat 240

gctgtggcag tccgctgttt ctccaacagt accaaccctc tctcgttggn agagaagata 300

tcttcaangg cccgcctgaa ttaatcccnc ngttaagaag aattcaaaat gtggnactgg 360

naatgttaca atgcntaant ggggattcaa aaacgggcac aaaactnagc agcccaatgg 420

gaggggcaaa actattttta gantttaagc cccagatggg atnagtggag gggt 474

<210> 4611
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A1

<400> 4611

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gccaccgtgt tcgatctccg tcccggcgtc ggcatcggac ctttctctat cggaatgccg 120

atttgtgaag catttgctca aatagagcag cagcctaaca tatatgatgt tgttcatgtt 180

aaatactacg acgaggatcc tttgaaactg gatgttgtta ttagctttcc agatcatggg 240

tttcatcttc gatttgatcc ctgggtctca gaggttacgg cttgttgaaa tatttgatgt 300

caagcggctt cagatgcgct acgccacttc tatgattggg ggtccatcaa ctctggcaac 360

ctttgtggct gtttaagcac nttttggacc aaacnttccc tggggaat 408

<210> 4612
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A10

<400> 4612

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gtcacggatc ctttgcagaa agctaagaga gagttggata atgtggaaat caaagaaaaa 120

cagaagaagc agaagaacca aaatgaaaca tctgagaagg aaactaaaaa attcagcacc 180

gtttacgaaa agtttaatga tactattaaa gaactagaca gggtttctgg aacatgtccc 240

atacgacctg ccattccatt cacgccccca aaggaaaagg tggaaccgat atatcacaat 300

gagtgcaatt tcgatgataa agctcatctg ggaagtatct gacagcgccc cttttgtaca 360

aaggattttg atacttccca tccaagggca tgaaatcaag acagcaattg tgggatcatt 420

tcctcntcca tgttggtaaa 440

<210> 4613
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A11

<400> 4613

ccgacgtacg gtaangaatt cncgggcnca gacagaacan acaacgaaga aaattcaaaa 60

tcttatttca attcaacgta tactttcctt aaattaggaa tttggttttc gagaaaattg 120

agatccgaat aactatggtg agactcaaga cgagtctctg ggttcttctc cttgccctcg 180

tttcaattca gttaaatggt tcgtttggat ctgaatcaag taaagtagct tatgtcacac 240

ttttgtatgg agatgagttc ttattangag ttagggtatt gggtaaatcg attcgtgaca 300

ctggatccac taaggatatg gtcgctttgg tttctgatgg tgtctcagac tactctaaga 360

aagtttactc caaggctgat gggatgggaa agttagaaga aagaattaag ntttactggg 420

caaaatccca aaatcaaagn ttcaatcccg aactaagggt tcccnggggg gtggttttaa 480

ataccaaaag gcctttaaag nattcctttt aaccaatgga accng 525

<210> 4614
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A12

<400> 4614

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cttcttcctg aagatttgat ttcattttcc tctctttcag atccctattc tcatggcttc 120

tggatcttac tggtgctata gttgtagccg attcgtttgg gtttccgatt caatctcttg 180

ccctgattgc gacggtggtt tcctcgaact catccaagag cctctcgatt tcacaccttc 240

cgattnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nntccgcttc tatgcacgcc gataacagtc ccactcctac 360

catcgttact cgtacacgaa agcaatcgat ctcctaaacc aagttantgt tctccgtgga 420

ttct 424

<210> 4615
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-A3

<400> 4615

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tcagatcaag acgacgacgt tttaagcaac aagatgcagt taggtcagtt tatctacgtt 120

gatcggcttg atccagggac acctgttccg atcatcaaag gtgctagacc gattcccgga 180

cgacatcctt tacttggaac tcctgagcca ttgatgagta caagaggaaa gattgagagt 240

tcgagaccta gaagaggttc ttggggtcaa aacggtgacg tttcgtctcc gtttgtgtta 300

aagcctgcac ctttggattt tgatcagtgt acgccggcga aacatangct tggtacgggg 360

agatttatgg cggcgtctcc gaatgttatg actagaggga ggtcacctgg gtggngttaa 420

atgttcctaa ggtgganggg cttttgtcca aaaatggggg ggaatn 466

<210> 4616
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-F11

<400> 4616

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaac 120

aagagaagag aagaaccaag ttttcttcga aaggattgaa ctttgtttct ttctcttcag 180

ctacaacaac caaaaaatga tcaagctttg cttcatgact tctcatggtt attcaatccc 240

tggccttggt cttcctcaag acctctgcaa caccgaaatc atcaagaata gccggtctca 300

tctggtgaat cccggagcaa gacaagagat catacctgca agctccttca atctgaatac 360

agaactcttg gaaccatgga aaccggtttc ttcatttagc caattcgtgg agattgattc 420

agccatgatg aaaacctctg ctcatgggat gttcatgaag aangnaacaa gaatctctga 480

atttgagcct tgggaatcgc tgaaaagttt gcaagacaa 519

<210> 4617
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-B2

<400> 4617

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ttagtagaga gctcgttttc ttgatcttac agtttctcga tgaagagaag tttaaagaga 120

ctgttcacaa gcttgaacaa gaatctgggt ttttcttcaa tatgaagtat tttgaggatg 180

aggttcacaa tggaaattgg gatgaggttg agaagtatct ctctggtttc actaaagtag 240

atgataatag atactctatg aagatattct tcgagataag aaagcagaag tatctcgagg 300

ctttggataa gcatgatcgt cccaagggct gttggatata ccaatgaagg gatttgaaag 360

tgtttcaaat tttaatgaag gagcctttca agggaaataa cacaactcct tgacattggg 420

ngaacttccg ggaaaatgaa caattatcca agtttgggga caccaagtct gcaanaacga 480

tt 482

<210> 4618
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-B6

<400> 4618

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tctcctttct tcttctctct tcattcgtct cctctgttga gtggctcgat atcgattcct 120

cagatctcaa agctcttcag gtcatcgaaa cagagctcgg agtcaacagt caacgttctt 180

cggccagtga tgtcaaccct tgcggtcgcc gaggagtttt ctgcgagaga cggcacnctg 240

ccaccaccgg agaatacgtt ctccgtgtca cnaggctcgt ctaccgatnn aggagcttga 300

cggggactat cnctccggtc atcggaatgt tttccgganc tcaaagggaa cttaacttgg 360

tcnaataaac aatttggcaa acgntggttc ccgggtggga taaccttaaa nctgttaagc 420

aaacttnaaa gnttcttgga tnntccggaa aaataaaatt ttcccggtca agaattccgg 480

ggaa 484

<210> 4619
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-B7

<400> 4619

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tctagctcaa ccatggcgtt gctcgtcgag aagacctcaa gtggccgtga atacaaggtc 120

aaagacatgt ctcaagccga tttcggtcgt ctcgaactcg agctcgccga ngttgagatg 180

cctggactca tggcttgtcg taccgaattc ggaccttctc agccattcaa aggcgctaga 240

atcaccggat ctcttcacat gaccatccaa accgccgtac tcatcgaaac cctaactgct 300

ctcggtgctg aagtcagatg gtgttcctgc aacatctttt ccactcanga cnagnccgcc 360

gcagccatcg ctcgngacnc cgncgctgtt ttcgcctgga anggtgagac ncttcaggag 420

tactggtggn gtaccaancg ttgcncnaaa ttggggtcca nggggnggtc ctgatcggat 480

ggttgatnac gg 492

<210> 4620
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-C1

<400> 4620

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ttactcaact ctggccgctc cggtccttcg attccagctc caatcagtaa ttctctctcc 120

aaagctcaaa agacaaagaa actcaataat gtctatgaga agctctcttg cgaaggtttc 180

gttgatgatc agattgaact cgctctctcc tctcttagag atggagctac gtttgaggct 240

gcacttgatt ggctttgttt gaatttgccg agtcatgagt tgcctgtgaa gttttctact 300

ggagcttctc gttttccttc cacaggaggt tctgtgggtg tgatatcgac ctcacgggac 360

gattggaatg attcaactga cccttaagtc agggtaaagg aaaaggaact tgaantttg 420

gtnctgttaa aggaaaacaa gannaagaan ataccctaan tccgaaaaat naacccaagc 480

tgaattgatc cgnaagtata tgaataaaca ag 512

<210> 4621
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-C12

<400> 4621

gntttcttcg agtcnctctc gctctctccg tttcttcgcg gtctctctct ctcagatctc 60

tcngaaacat tcttcgtggt gaancanaat ggggttgagt ttcgccaagc tgtttagcag 120

gctttttgcc aagaaggaga tgcgaattct gatggttggt cttgatgctg ctggtaagac 180

cacagtcttg tacaagctca agctcggaga gattgtcacc accatcccta ctattggttt 240

caatgtggaa actgtggaat acangaacat tantttcacc gtgtgggatg tcngggggtc 300

angacaagat tccgtccctt gtggngacac taattcaaga cactcaangg tccaaacctt 360

ggttgttgat aacaatgaca gagacagagt tgttganggt cnanaagaac tccaanagga 420

tggctgnatn gnggannaaa ctgccttgat gcngtgttgc cntgtgtttg gcaaca 476

<210> 4622
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-C4

<400> 4622

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ttctctttct gcaatggcga gattagtgcg tgtggctaga tcctcctccc tctttggctt 120

tggtaaccgt ttctactcta cttcagccga agctagccac gcgtcgtcgc cttcgccgtt 180

tcttcacggc ggcggagcta gcagggttgc tccgaaagat agaaatgttc agtgggtgtt 240

tttgggatgt cctggtgttg gaaaaggaac ttacgctagt agactatcaa cccttctcgg 300

cgttcctcac atcgccaccg ggcgatctcg tccgtgaaga gcttgcatct ccgggactcc 360

cctctaaaaa ccaaccggna attgtnaatc aaggaaaatt ggnttcctga atgaaatnaa 420

tgtagactta atgtncaaaa aacttnaagn tggtgaanct aaaagngaat caagggttaa 480

ccttgaaggg nttcctcgta acaag 505

<210> 4623
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-031-Q1-E1-C8

<400> 4623

gaaaagcttc aatcagtgag ctgcgttttt tattctctgc ttcatccaga tctacatttc 60

tctgtttcag cctctattgc tctgtttaac aagttctcaa cggccggaat cgtcgccggg 120

attctcgcca ccggagttat tgtgaaacgg tgaaaatggg tttttgattt tactggttac 180

ttcattgttc agtgcaaagt ttggattgat ttcactatgg aggaagtagc agctaaggtt 240

gaggaagaaa ctgtggaaac caatgtagat gcagtgaaag aggacaatgc aactatagct 300

aatgaaagca gaagcccaga gagtgtttct gcagtgtctg tggtgtcaaa tcgagctgct 360

tctactaaaa agaaaccagt tattaattcg aatttaataa agccaactgc gtcctcctca 420

atacgggtct cgggtactac gcctgtggac tatcaaggag aaata 465

<210> 4624
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-D11

<400> 4624

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ccttgatcgg ggttatgcaa caaaggatgc taatacacgg ttttctccaa ccaacctggg 120

tgaggcgctt gtgatgggat angatgacat ggggtatgaa ctttggaaac caaatctcag 180

agcccttatg gaacatgata tgaatgaagt tngcgttggc aggaagacca aagctgaagt 240

tcttgaaaca tgtttgcagc aaatgaaanc ttgtttctta natgcaagag tananaaatc 300

anagctccta naancactgn cantttttctt tgaaagatct aanaacactg atnanagtga 360

aagtcanaca gctggtnaat ttgtcccgac gattcaatcn ccggaaagga tccacntatg 420

gcacncagga aaaacccggg atggcaattt cacgggttgg gtgcatgaaa t 471

<210> 4625
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-D12

<400> 4625

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tccctgttca atgttgttca gacagggacg gtaaaanaag tatccacatg tgatgaaagt 120

ggcttcgttt tacagcatag tcgggacgat ccaatgtcta ctattctcgt tanttatgga 180

aagagacctt agtgcatgga agatccaacc taacttcgat cttatcncat tatcgccaac 240

gggnaacant cggangtgta ntacgancan gtgtacacgt aaagtgcacc caagatgana 300

agnccttaat acctgccatt ggtcaaaccc tttgggcatc ctttgggcaa cantccttgg 360

taccaacntc ctcctcaaca atcctcacna anggcaatgt gttaggaaca accatacctg 420

gttttgggat atttcaaaan tgtccctggg gacaattgga nggaaaacca aagaaa 476

<210> 4626
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-D3

<400> 4626

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catctcgata cttggaagca ttctttggtg aggctgattc attctcatct gtgaaagtct 120

ttggcttttg aagcaatact atggaaggaa ttcagcatcc tatacctcgc actgtcgaag 180

aggttttag cgactttcgt ggtcgtagag ctggtctcat caaggctctc tctactgatg 240

tacagaagtt ttaccatcag tgtgaccctg agaaggaaaa cttgtgtctt tatggacttc 300

caaatgagac atgggaggtt aatcttcccg ttgaggaggt ccctcctgag cttcctgaac 360

caacgttang catcaatttc gcaagggacg gaatgcaaag aaaaagactg ggatttcttt 420

ggttgcantt cacaatgatt catggcttan ctctgttgca ttttact 467

<210> 4627
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-D4

<400> 4627

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anctgcaang ctactaggag ccgctgataa atacaagttg cctagattaa gtctaangtg 120

cgagtcagtg ctctgcaagg atatatcagt agattccgtt gcaaatattt tggcgcttgc 180

tgaccgttac aatgcttccg ccttganatc cgtttgtctg aaattcgcag cagaaaatct 240

catcgctgtt atgaggtcag atgggtttga ttatctaagg gaacactgcc cgtcacttca 300

gtctgagctt ctganaacag ttgcgggttg cgaanaggat taagcggagg aggagggaag 360

acgaagaacg tatgggggcc aatttctcaa aacggtggan ctgaaaacaa aacngganga 420

caancacaaa ccttggggga agaatatcaa tgggg 455

<210> 4628
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-D5

<400> 4628

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aacactcgtt tacgcgtagc cganataant tttccaaaaa cccatatccg aaaaagtcga 120

tatatttatt gaatttttgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnctaa gtctctctgt tgtcttcctc tttgtcttct 240

atctcgctgc ggtgacttca gatctagagt ctgaccggng agctttacnc gctgttcgta 300

acagtgnccg tggccgtcct ttgctatggn acatgagtgc ttcgtctcct tgtaattggc 360

acggagtcca ctgcgatgcg ggtcgggtca cggctctccg attaccggat ctggtttatt 420

cggttcntta ccantcggtg gtattggtaa tctaatccag cttangactc tttctct 477

<210> 4629
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-E1

<400> 4629

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aatgtctcaa gattctgcaa ctactactcc gccgccacct ttaacctccg acgtttcaat 120

gccttccggt gaagaagatg agccaaagca tgtaacatcg gaagaagagg caccggtgac 180

ttcggagaca aatctgaagc tacctttgat gccggagcta gaggagtcaa atcatacggc 240

ggaggttgtt tcagagaagg tgacgccgga gacgatgact ttggagtcag aaggtctcaa 300

ccacgcggcg gagggattca gagcaagaca catgaagtga cgccgggaga caagagactg 360

cgaaactaga aggttctcaa accacacggg ngggganggat tcaagagcaa gacacatgaa 420

gttgacgccg gganaaaaga nactggtgaa atcaagaagt ttcccaaacc aacgttggcg 480

ggagggatt 489

<210> 4630
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-B10

<400> 4630

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atctcgatca tctggatcca agaaattact acgattgcta taatgtcgat gtctcggctc 120

ggattgttgt tgttcgtcgc tatattgctc gtcttgcttc agtcttccac ttgtctgatt 180

agttctccaa gttctatcat caatccttct aaagtcaaac aggtttcgtc gaagcccagg 240

gcatttgtgt atgaaggttt tttgacggac ttggaatgtg atcatctaat ctctcttgcg 300

aaagagaatc tgcagagatc tgcggttgct gataacgata atggcganaa gtcaaagtca 360

gtgatgttcg taccaactcc ggcactttta tctccaaaag gaaaggattc tantgtttcc 420

ggtatcgaag gacaagctct caacatggac atttctccca aaagaaaacg 470

<210> 4631
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G10

<400> 4631

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cagacgacgc aacatcaccc gcctcacatc agcagtctcg tcgtacgtcn ctccggaagc 120

aacgacagag aagacggccg caacgccgcc ggagactatg agcccggaga agtctctcgt 180

gaccggcctt cgtttaatcg ctcggatcgg tataagggtg acaatggtgg acatagaact 240

cgggcaagtt ctagctcacc aggccgtcgt ggatatgaag atcacaagca tggctctgat 300

cttaatcatt cangcgttcc acctcgtggc cgtgagttaa agcacanaan ggaaacactg 360

ggagacacaa gagactaatc ccaacccttt agctagaagg tggagctggt gctccgtccc 420

ttatncgaag aaggttaaat 440

<210> 4632
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G11

<400> 4632

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acnggttcaa ncngannaac cacagnattg gtacaaagac gagaagtata gtactaaagt 120

gaaggacgca gacggtcatc cttgttttgc tcttgtaaac aaagctactg gtgaagcaat 180

gaagcattct gtgggagcta ctcatcccgt gcatctgatt cgatatgtgc ctgataagct 240

tgacgagtca gtactatgga cagagagcaa ggattttggc gatggatatc gcacaataag 300

aatggtaaac aatacgaggc taaacgtgga tgcatatcat ggtgacagca aatctggtgg 360

tgtncgttat ggnacgaata acctcctncn ggaatggaaa naaaggnaaa aacaactccg 420

gaaaattctt cccttcctga aaaattggcg tcctggaatt ggtaaaaagt tccctttgtg 480

tgtgctgtta ng 492

<210> 4633
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G12

<400> 4633

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gaanangttg tggaatcaga aggagaaaga gagtttgaac attgagaggt actcagattc 120

gttgaagccg aagatgaagt ctaataagaa tggatctttc tttgattttc ttgttcttag 180

acctgataac ttccctaaag aacttcttgg agatactcga agagaacaac ggcctgtgaa 240

gagagctaaa tggagtcaag aagctgattt gcagaaattg gatgtgtttg agaagcttga 300

agctaagttt aaggttgaag gcaaggaaga gaaagaagaa ggggaagatg atgaagaagt 360

tgtggaatca gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 480

cc 482

<210> 4634
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G2

<400> 4634

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aaaaannnnc attngggaaa cctttgaaat gtcnacngga ttanatatgt ctctcgacga 120

catgatcgcc aagaaccgta agtctcgtgg tggagccggc cccgctcgtg gaaccggatc 180

cggatccgga ccgggtccga ctcgccgcaa caaccctaat cggaaatcaa cccgatctgc 240

tccataccaa tcagccaagg cgccggagtc cacctggggt cacgacatgt tctccgatag 300

atctgaagat caccgatcgg gacgttcctc cgccggaatc gaaactggga accaaagctc 360

tacatttcca aatttgggat tacggtgtca tgaaacgaaa gacatcaagg gaactggttt 420

gcctgaaatt ttgggaaaac tttaaacgcc taaaacaaat ttcaaatttt gganaaaaaa 480

ttgggaaaan tttaaaaggg gaaactggcc 510

<210> 4635
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G4

<400> 4635

gcacaaancg ttcacctcaa tgaagccacg gtgctcatgt ctctcctcca gcctgctcct 60

gagacttttg atttattcga tgatancatc ttggtgtcgg aaggtcagat cgtgtaccaa 120

ggaccgagag acaacattct tgagttcttt gagagctttg ggttcaagtg tcctgagaga 180

aaaggaacag ctgatttcct gcaagaggtt acttccaaga aagatcaaga acagtactgg 240

gtgaacccga acagacctta tcactacatt ccggtttcag agtttgccag tagatacaag 300

agtttccatg ttgggacgaa gatgtctaac gaaacttgca gtaccgttcg ataagtctcg 360

cggccacaaa gcagctcttg gtgttcgata agttctctgt cccaaangag ggaacntccc 420

aaagaact 428

<210> 4636
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G6

<400> 4636

ttttttttttt tttggagtta gaatgctatg aattccaaac cagagaagat tcaaataaaa 60

cagagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggaaagc 180

aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaag tggctgcagt cattccgcag 300

cataagggag attgacttcg agaagcaaca tcaactttgc gcaaaaggan canggctacc 360

agganatggg ggactcccaa ttgcnacncc tttcaggana natcccctta naanggaaag 420

gccttttcaa aaccaagg 438

<210> 4637
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-G7

<400> 4637

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tctcattttc cttcctcctt ctctatctct catggtcttg ggcttgctct ctctgtttat 120

ctttatccca atcgatcatc gtagcaaata tggtcgtaag ctcgctaggt acatatgcaa 180

gcacgcgtgt aattatttcc ccgtctctct gtacgtcgag gattacgaan ctttccagcc 240

taatcgtgcc tatgtctttg gttatgaacc acattcggtg ctaccgattg ganttgtngc 300

tctttgtgat ctcacanggt ttatgcctaa tcctaacatt aaagttcttg caantagtgc 360

taaattcaaa attccctttc aaaggatata nnggaaatgg ttagggncaa cggcnnnctt 420

taaggaaaaa tttaaattcc ctttgg 446

<210> 4638
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-H12

<400> 4638

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nanacnaccc tnctccnncc caaaacnagc gagaaggagg aagaaganga ggaagtccct 120

gagaaatttt cgancangag ggagatcatt ancattcata tcggacaagc tggtattcag 180

gtcggaaatt cttgttggga gctttattgt ctcgaacatg gtatccaacc cgatggcacc 240

atgcccagtg atagtactgt tggtgcatgt catgatgcat tcaacacatt ctttagcgag 300

acaagctcag gccaacatgt gcctccaanc tgtgtttctt gatctccgaa ccaaaccgtc 360

attgacgaac ttacgaaacc gggacttaca agacaagcnt ttccaatccc cgaagcaaac 420

nttancctcc tgggcaaaat gaaagaatgc aancccaaat naccttttgc taaaaanggc 480

caattaacaa ccggttttgg gaaaggggaa aaattg 516

<210> 4639
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-A1

<400> 4639

ttntacgccg cccggtaccg gtcaaaaatt cccggggncg tagccacggt tgtcatggct 60

ccctttgctc tcatgttcga gaggaaaatt aggcccaaga tgacactagc aatattctgg 120

aggcttcttg ctcttggaat attagagccc ctcatggacc agaatttgta ctacatagga 180

ttgaaaaaca catcagcatc gtacacttct gcctttacca atgcacttcc cgccgtcacc 240

ttcattctcg ccctcatttt caggcttgag acggtgaact ttagaaaggt ccacagtgtt 300

gcaaaagtgg taggaacggt aataacggtt ggaggagcaa tgatcatgac tttgtacaaa 360

ggtccggcca ttgagattgt gaaggccgca cataattctt tcaacggtgg gttcgagcaa 420

caaaacccaa ccgggcaaca attgggtccc ttggaacata accaattatg gggcaantac 480

cccnacaatg gggctgcttt ct 502

<210> 4640
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-A2

<400> 4640

gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttatagg atcaatcgat 60

caaggaacca ccagcaccag attcatcatt tacgaccacg atgctcgtcc tgttgcttct 120

catcaagtcg agttcactca gttctatccc gaagctggat gggtggaaca cgatccaatg 180

gagatactgg aaagtgtgaa agtgtgcatt gcaaaggctc tcnacaaagc cactgccgat 240

ggacacaacg tcgacggtgg cttgaaggcc attgggctta cagatcagan agagactact 300

gttgtttgga gcaaatccac tggccttcct ctccacaagg ctattgtccg ggattggatg 360

ctcgtaacaa ctccatctgc aaggagacta agagaaaang aactccccgg gaaggaaaat 420

tcccaatttt gtgggantcc ttgccgggtt gccaaa 456

<210> 4641
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-A5

<400> 4641

agnccgcccc gtaccgaaca agaattcgcg ggtcgaccca cgcgtccgct tatcttccat 60

agtataaaac agtcagaaga tgtcactgat gcaacaaagt caaagaactc acatgcgatc 120

tgtgagcttg ggctgtcaat aatcaatcac ttaactcaga aagagcctga tctacaaggg 180

gaaatcacac ctgtatcgct gcctccgacg ctgtacaaac cttctgaaaa agttgaagga 240

gacaagtctc aggtaggtga agaaaaattg tggctagctg atgagactgt cctgttacac 300

ttcagggctc tcaagttgga gagtcatgct gatgcatctg tgatccccca aacttcagaa 360

aatgaggtta tgattgatgg ggaaagtgat ggaaatgaaa ttcctctggg gtaaatagta 420

nagcgtttga nactcaggga accaagacta gaaagggcaa aaaggataaa tccgtccagc 480

tgaa 484

<210> 4642
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-A6

<400> 4642

tccgtaccga ncacacatta nttngccggt cgacgagctc antantcggc ggccgccctt 60

ttttttttttt tttggagtta gaatgctatg aattccaaac cagagaagat tcaaataana 120

cagagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 180

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggaaagc 240

aagtaatact acaganggta nacgttccag tgcttaatga tgaaacatca tcagtacaag 300

caancgtgtt tttcancata naccgtatca ctttcacaag tggctgcagt cattccgcag 360

catanngana ttgacntcga naancagcat caacttttgc gncaaaagga ncaagggcta 420

caaggaaaat gggggacctc cccaatggct nacgcccttt caagganaac atcctccctt 480

agnaagggag aagg 494

<210> 4643
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B1

<400> 4643

aggangcttc ttcagggttc aggtgtgaaa gctgacgcca ccgtggcagc tgacggtagc 60

ggtacattta aaactgtggc tgctgcggtt gccgcggccc ctgaaaatag taataagagg 120

tatgtgatac atataaaagc cggagtttac agagagaatg tggaggttgc taagaagaaa 180

aagaatataa tgtttatggg agatggtcgg acgagaacta ttatcaccgg aagtcgaaac 240

gttgtagacg gtagcaccac tttccactcc gccaccgttg ctgctgtcgg cgagagattc 300

ttagctcgtg acatcacttt ccaaaacaag gcgggtccgt cgaagcaaca ancngtggct 360

ctcccttgtt ggntccgaat ttcccgncct tcnanaattg cnaaatgtta ancttaacaa 420

ggacactcct nataacgttc antcctaaac c 451

<210> 4644
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-F9

<400> 4644

gggtngaccc aagccttcgg ataacaaatc tctcttccat tttctccaca caaatttctc 60

ttcaatctcc gataatggaa ggaaccggcg ttgtggcggt gtacggtaac ggtgcgataa 120

cggaggcgaa gaaatctccc ttctccgtga aggtcggttt ggctcagatg ctccgtggtg 180

gtgttatcat ggatgtcgtc aacgccgagc aagctcgtat cgccgaggag gctggtgctt 240

gcgccgtcat ggctttggag cgtgttcctg ctgatatccg cgctcaagga ggcgtcgctc 300

gtatgagcga ttcacaaatg attaaagaaa tcaaacaagc cgttacgatt ccggtgatgg 360

ctaaaggcta ggattgggtc attttcgttt gaagctcaaa ttctttgaag caantggnat 420

ccaattacat ccgaataaga gccaangntt ttgactcctt gccgaag 467

<210> 4645
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-D11

<400> 4645

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gtgagccttg gcctattcct tanaggcttc ccactgcttg caaactgtgt ggaaatcggt 120

ctaccaatgc tgattctgtt gatcatcaca cagcaatatc ttaaacatgc attctcaagg 180

atttctatga ttcttgaaag atatgcttta cttgtttgcc tggctatcat atgggctttt 240

gctgctatcc ttactgtttc tggtgcttat aataatgttt ctaccgcaac aaaacanagt 300

tgtcgaactg atcgtgcctt tctaagtcat caagntcctg ggattagaaa tcccatatcc 360

attccagtgg gggactccga tattcaaaac gantcatggt tttggaatgt tttggtgctg 420

caaatggtcg caatctg 437

<210> 4646
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-D2

<400> 4646

agcntncggg naaacccaat ttttgggcca anttnggnna atncgcngcn ggganaacnc 60

aggtngttac agatgataaa catgcgagat aatccaacaa tgcatgtctt acaagcttca 120

aagtttctat ttttagctct tattttgatc cagttgctgt ctactcaact ctttgctcaa 180

agatctaaaa gtccatggca aacactcact ggagatgctc cccttgtcat tgctcgtggt 240

gttttctggg ttgttgccag attcaagtct cgatgcttac agttttgtat cgcagactag 300

tgttcctggt gctgttcttt ggtgtgatgt gcaactaacg aaagatgcaa ttggactttg 360

cttccctgat gtgaagatga tgaatgcttc aatatcaana gttacccaaa cggaaactct 420

acttgctaan g 431

<210> 4647
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-D4

<400> 4647

cggtcggang acccgggtcg gccnngcntc cggaaaaaaa accaancaac aactncaaan 60

nnaaggaacn agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnna ttctgttggt tttgcaatgg tttggaggtt cgttaatggc 180

gtcatagact cgggagatta agggagaaca agtactctgc atcttctgga tttctcacta 240

tttctccttc tctagaggaa taggcgagaa attgagatta ataaaaaggg gtgtttttg 300

gttctccttc gtttgtataa agcctgccgc ttcttaaggt tctttggaaa ttctcaagtg 360

atggaggaaa atctggttta cttcgcatga gctattaacg aaattcatca tgaatgtctc 420

actgtcacac ttgtgggaan tatgcgttga atgattgtca agaaaccgat tctngttccc 480

nacttcgttt gaacc 495

<210> 4648
<211> 335
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E1

<400> 4648

cggtccggac naccgggtcg nncccagccg tcnggtnana gctggccgta ggatggaaac 60

agtaagaaaa gtacatccga atcaacggct attgcgttct ctcctcttcc ttcttgtgat 120

gtggatttgt gtgtgtgtga tgtgtcggtg agtgtgttat agaagtcact atagccatct 180

tcaaagggga gatagagcta ggagtagtat ttggtggtgt cacgtcgttt gttttttcta 240

tataattttt gtcactatgt ctttctatta tgggacatgg cataatatat catatgaata 300

atttatcact aaaaaaaaaa anaaaaaaaa aaggg 335

<210> 4649
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E10

<400> 4649

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cgttgtgact cattccgagt taaaaaaaac gggttttcga caccatggat atgagttcaa 120

tggctggttc aatcggagtt tcggtagccg tactccgatt cctcctctgt ttcgttgcca 180

cgatccctgt ttcattcgct tgtcgaatcg tcccgagtag actcggtaaa cacttgtatg 240

ccgctgcttc aggtgntttc ctctcttacc tcnccttttgg cttcaccncc anncttcact 300

tccgtgttcc gatgacgatc ggatatnntt caatgggcga tttanagacc caaagtgtgg 360

gaaacancaa cgtttcntnc ctcggtttcg ccctaacnta attggntggt cacgtggttt 420

aata 424

<210> 4650
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E2

<400> 4650

cggtccggaa naccgggtcn ggccnagcnt ncgggnaaag gnaattngcg gncggaccnt 60

cananctttca aggacgtttc atctgcggtc aagtggccgt ctatttccct ctcttagctt 120

aactcatctc aagggcaagc tatctctctc catcaactcg ttttcctcca agattcagtc 180

tcatgctctc cgaggagttg gtataggcga gtcagataag aaaaatcccc tgccgcgagg 240

ggccggagaa ggagtcaagg aagatgcgag gagtaagctg cttcatgtag ttttggtctc 300

tcctcagatt cctgggaata caggttgcat tgcaagaaca tgtgctgcct cagctgttgg 360

tctgcattta gtcgggccat taggttttca agtggatgac gccagagtta ancganctgg 420

tttgggataa ttggccgtta tcctacctaa nttgtcaa 458

<210> 4651
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E3

<400> 4651

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ggccgccctt ttttttttntt tttggnagtt agaattgcta tgaattccaa accagagaan 120

attcaaataa aacagagact aaaaaggctg ttcaaacagt aataattctt gcacatgaac 180

actaaaccag aacgataaca ggaaacaaag atacagtcag tactcagtag tttgagggca 240

cctacggaaa gcaagtaata ctacagaggg tagacgttcc agtgcttaat gatgaaacat 300

catcagtaca agcaaacgtg tttttcatca tacaccgtat cactttcaca agtggctgca 360

gtcattccgc agcataagga gattgacttc gagaagcaac atcaactttg cgcaaganga 420

ncanggctac aaggagattg gggaactccc aatngtacgc ctttcaggaa aatcncctta 480

naaggnnaag gcttttgcaa ggcaagggnt tcttggg 517

<210> 4652
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E4

<400> 4652

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gcggntncna gcccaaaanc acggttgagc attgtgaaga gaaaggttac tccgtgataa 120

acgtgagctg cgaggatcga ccaaagctca tgtttgacat tgtatgcacg cttacggata 180

tgcaatacat tgtgtttcac gccacgattt catcaagcgg ctctcatgct tctcaggagt 240

atttcatcag acaaagacgg ttgcactctt gacacagaag gagagaaaga gagagttgtc 300

aaatgtctgg aagctgcaat ccatagacga gtcagcgagg gttggagttt ggagctctgc 360

gcaaaggaca gagttggatt actgtcggaa gtgacaagga ttctgagaga gcacgggcta 420

tcaattgtcc nanagctggt gtgacaacaa ttaggagaac aagccgttaa cgttttcaag 480

tgaaagatgc ttcaaggaat cc 502

<210> 4653
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-E9

<400> 4653

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tggagaaatc aaaatcatcg attctccttt gtttcgccta acccaattcc taaatctcag 120

catctttcat caatccaatc tctcaaataa gcgagagaga aacaaagatt atcgaatcct 180

tggagacgaa aacatactcc aatttgtaat tttctcgtct ttttttttac ctgattttgt 240

tatacgtttg atcgaaatca tttgctctga tggatctctg ttttgttaac ccttttgaga 300

tttggtagat atggttttga ggattgatat atttgccgct gattgtcgtt gaaaaattgt 360

gaaatttgat ttggtggttt agggttaaaa tgaaattata tgatgaggaa tataagaatc 420

cngatttttt tnaataaaat ccccaaatgt tcctggtaac tgtgaatgaa acnttgaatt 480

t 481

<210> 4654
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-029-Q1-E1-F2

<400> 4654

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tnctnctnct nctnaccgga aangcgtctc gtaacactga tctctaatga tcttcgtctc 120

caatggcgat atcagtacaa cacgtcgtcg ttttactcct ctccactctc ctcatcgcca 180

tcaccttctt cctcttcacc tccgataacg ccagattccc tttcccttct ctctccacca 240

ccgattacta cacaccaatc ccaaaatctc caattcctca ccgaatcgtc gacgtttctt 300

cagatcaaac tccacagaag atgaagctaa acacttccct cgaggtggga gagctgaaat 360

gggatctatg taaaggtgca gaatctgttg attacatacc ttgtcttgat aattacgccn 420

gccatcaagg aagtcaatca agggagacat tatgggggaa tcgagaaagt caattggccc 480

tgaaccaaag tcctaaaang 500

<210> 4655
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-F6

<400> 4655

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cagagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcagtantt tgagggcacc tacggaaagc 180

aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtanaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaag tggctgcaat cattcccgca 300

gcataaggag atttgacttc gagaagcaan atcaactttg cncanaggac aaggctacca 360

agaaantggg aactccncat tgctaancct ttaagggaaa tcccttaaaa nggaaggcct 420

tttcaaacaa ggcttct 437

<210> 4656
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-F7

<400> 4656

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gcgtttagag ggaaggagat gatgaagaan ctggtaaaga aagttggagc ggagaatatc 120

acgccggagc tcaaggataa gctcaaggct tgtgttcctg ataccaaagt cgtcatgggc 180

agagccaaac gcggtctcta cgccggccgc cacatccagt acggaaaccg tgtcagtgaa 240

gacggtggna acaagtcaag aagatgttgg aaaccgaatg tccancacaa gcgattgttc 300

agctacatat tcgacagtca cagtatcngt cacaatcacn acacangcnc ttcgctgcat 360

cnacaaagca aganggatta aacgagtact tgctgaaaac ancaatccca tnagattggc 420

caca 424

<210> 4657
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-C4

<400> 4657

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natggttcga tccttcccag taaaacgcgg cgtgttcgaa ttctgatcgc ttttacgcga 120

gaaaggggga ccaccctcta agcctaagta ttcctcaatg accgatagcg tacaagtacc 180

gtgagggaaa ggtgaaaaga accctatgac gggagtgcaa tagagaacct gagatccgat 240

gcgaacaatc agtcgaagga gtagtcaagc gcactcactc taacggcgta ccttttgcat 300

gatgggtcag cgaggaaatg ggaagagcgg cttaagccat tangtgtagg cgctttccaa 360

aggtgggaat cttctagttc ttcctatttg acccgaaacc gatcgatcta gccatgaaca 420

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gaatgacttt tggtaag 497

<210> 4658
<211> 418

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-A5

<400> 4658

taaagaaagg ggcttgattt tggacaaagg cacgtgtctt agtttttat tcaagctccg 60

atctataagt tatgatttgg gtttggtttt gagttctcca attttagtct catctctgtg 120

gttgttgtaa ctgggtttgt gatggaagct anaattgaan gtgaagtaga aggtcacagt 180

ttagaatacg ggtttagtgg taaaaggagt gtagagtggg atttgaatga ttgggaatgg 240

aatggtgatc cctcttgcta cacaactgaa tcacgggtca tccaacaact cntctacgtg 300

ctctgatgaa aggaaatgtt taaatcatgg anaagaaagg ggggttnana tggggaaaaa 360

agaanaaaat tnacancttt tacggnggga ncaatgggaa gaaaataact ttaaaaat 418

<210> 4659
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-A7

<400> 4659

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ttttcctgac aactttatgg accagctctt gtgggaggag tgctgggaag aagaggcaac 120

gcagcatgac caggcattat catcaccatc agggctgaag gagagggtgg cttgcgccat 180

ggggcacctg caagaggtga tgggaganag ggagttgctg atccaactgt gggtgcctgt 240

tgagacaagg ancggccgan tgctgancac ngaggagcaa ccttactcta tcaacacctt 300

ctcccaaaag ccaaaacctg gcctctaacg atgacncctt cactggctac agcttccaac 360

ataanttggg ttcnggncaa cctgntgggg ctgcntggcc tttgtcccgg angaaaatgc 420

ctgantggac ccaanacttc cgnttttag ggaagg 456

<210> 4660
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-A8

<400> 4660

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tgaggagagc ttcgttgtct tccccattgc aattagggtt ttcaaaacgg gtaatcgaat 120

tcggtggtgc tcggctttga aattgaggat gagatccttt ccacttcctt ctacctgctg 180

acaatgggca actgcggtac tanagacgag gctgccgtct tcactcctca agctcaagcc 240

caacagctcc agaanaagca ctcgcgatcc gtctcanatc tgagcgatcc atccactcct 300

cgcttccgag acgactctcg cactcctatt tcgtatgccc aagtcatccc ctttactttg 360

tttgagcttg agaccatcac cantagcttc cgcncagatt atntactcng gagaaagtgg 420

tttcggtacc gtcnacgagg gttacaattg atgaanaatc tccg 464

<210> 4661
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B1

<400> 4661

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aaaannaacn acngtaaagt tacttgatta aggggttaag aagagatact ggtgtttttt 120

ggcctcaatc agctaagatt tttgtgcatt gtatgatgag tatagcaaat gaacaacaat 180

ttgccatgga tcaacttgtc gaaaccaatg atgattcnga aaagaaacca agaattacat 240

acacnaggaa gtttcntata tccttgagcg agaaagacgt ttgcaagaag ctgccaaatc 300

tgcctggtga atttgatgaa gcactgttgc ctgacttcna agatccttca cccgancgaa 360

caagaatttc aagggaattt ttcgtcncat ggnttcaggc ggaatgacca aaagttcaac 420

gcctccaaca angggggaa 439

<210> 4662
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B10

<400> 4662

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catataatcc gccgtccgct aatattcctc gattagaatc tccggcgatc agaaatctcg 120

cggtgaattt tgatggaaga aaagctgcca aaatcgctca agaatctcga tttgaatacg 180

aatcgtggtc gtggaccaga gaataagatt cttgtttcag cttatgtatc ttcgtcacga 240

atgtctccac tgaaatcaaa acctccatct cttgtgagct catgtcttgg tgttattggg 300

aagcatttgg aggatatgat tcgttgttta actgaaatcn ctgttatatt tcctgcagac 360

atcaaagatg tcgattgcag caattcctaa aaagaaaaaa actgctggga tgaatgatgt 420

taataacctg gtttggg 437

<210> 4663
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B11

<400> 4663

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acttcttcga tctcttcttt ttctctacac gattcgattg attcaagtat caatcaatcg 120

aatccgagat aagtcatgag tttcttcaaa tgggtttctt ttgttttgat ccttcacttg 180

cttaatccga ctctgatttc atgttcctct aatgggttat ctcaaatacc ttcaaagttt 240

cttactttgg ctaaaaggaa tgatttttc gattggatgg ttggaatcag aaggagaatc 300

catgagaatc cagagttagg ttatgaggaa gtagagacat ctaagcttgt tagagcagag 360

ttggagaaga tgggtgtttc ctaaaagtac ccagttgctg ttactggtgt tgttgggtaa 420

gttggaactg gtcatgctcc ttttgttgcc ttaagggctg atatggatgc acttgctaag 480

cangaaaagg gggaat 496

<210> 4664
<211> 478

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B2

<400> 4664

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ttgtaatcng tttgtacttt acttctctct ggtcagtacg tttccnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nngggcggcc gctctagagg atccaagctt acgtacgcgt 240

gcatgcgacg tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt 300

tacaacgtcg tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcaacat 360

ccccctttc gccaagctgg cgtaataacg aaanaaggcc cgcaaccgat ttgcccntcc 420

caaanagttn ccgcaacctg aaatggcaaa ttggnacncc ccccggtaac cggggcaa 478

<210> 4665
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B4

<400> 4665

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aggtaaccta agtttccncg gattttgatt aattnancna nanggnnatt gangtcggac 120

cagttgatcc atctgtccta tacgagcaag acctccatgt ttcttctgct gtttgggaag 180

gacaggaacg aggtctactt cgttgtcaag aacacacttc attgctacat caatggaaac 240

tcactgatga acaaattaac ctcgtggaca aagctggttt cggttacttt cgcaaaatcg 300

gtccaatgag tttaaacaat tcactgatct ctgcacttgt tgagcgatgg agaagagaaa 360

ccaatacttt tcatcttcct ttaggagaaa tgactataac cttagacgaa gttgcttant 420

acttggactt gaaattgatg ganatccatg ttggttcaaa antggggata aggttccaag 480

ggana 485

<210> 4666
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B5

<400> 4666

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agtattatgg gaatcggtga agaaagcaca aagcctattt gggggagcgt gagccacacg 120

tcttcaggct acgctctcaa cggcaaaatc atgctctcct ccgtgatcgt tctattcgtc 180

gccgttatta tgatcctctg cttccacagc tacgcccgtt ggttattccg tcgtcacaac 240

cgtcgcattc gccgccgtat tcgttctcac ctccgcactc tctccgcctc accccgagac 300

caagctctcg accaggctgt tctcgacaag attccgatct tcgtttaatc ctccaaagaa 360

tcaacaacaa caagaagana aaggaggatt gctccgtctg cttgtccgga nttcaaggaa 420

a 421

<210> 4667
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-B8

<400> 4667

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ctcgtcatcg acatgcagaa cgatttcata gaggaaggtg ctgtgacgca agtgaaagga 120

ggaaaatcta tagttcctaa tgttatcaga gtcgtcgaac tcgcgaggca gcgtggtatt 180

ctcgtaattt gggttgttcg agaacatgat cgtcaaggaa gagatgttga attattcagg 240

cgccataact acagttctga gaaagtcggg ccagttatta aaggcaccgt angancagaa 300

ttggttgatg gattgatgat caacgaagaa gatgactata aagattgtga aaactcgttc 360

agttgccttt ctttaagtac caatccttca atcccttctt gcaaaacttc aaggggggtta 420

ccaaanttta ntgaattgcc tggtgttgca aaacncccga actgtttccc gggaaaa 477

<210> 4668
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-C1

<400> 4668

ctgggcnccc accgggtccg gacgaacccg ggtcganccn agcgtncggn cnaanccccc 60

cccnccttca ataatttctg caaaccctaa ctttctcatt cggcgctcaa gtttctctcc 120

acccccttcga gatttggtgc gatgatgttg cgtgctgttt ttaggagagc ttccattaga 180

ggctcttctt ctgcttcggg attgggaaaa tcattgcaat cctctcgtgt tgcagtgtct 240

gctcaatttc attctgtttc agcaacagag acgttggtgc ctcgtggaaa ccatgctcat 300

agcttccatc accgttcttg tccagggtgt ccagactgtt caaggactat tatcaacggt 360

taccaaggca cagccctgca aagatgggtc aaggcctttt catctgataa tggggatgtc 420

gtggaanctg ttgtgcacac atgggtgaac aatcactgat ggaacctanc gcctttcgaa 480

naaactgggg aa 492

<210> 4669
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-C11

<400> 4669

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tttcttttct acaatttttc tcctgctaat tatcaaattt ttcttctgat tttcattgtt 120

tgttagagat tcttcttctc ctctgctttt ctattctctg ggagctcgat gatggatgat 180

aaagctcgca aagaagaaga acatcatgtg tctcaccaac ataatcattc tcctctgcaa 240

agggatggaa attctgctga gattgcacaa ggacaagagc tatcatcacc gggccgagac 300

ctatggaggc gangtctgtg ttagatttac catcaacaac acctgaagat actacaagag 360

atgatctttt agacgaaatg catctttaac ntcaagtcct gttgccaaaa gaatcaactt 420

ttctccaaag gtccaaccct a 441

<210> 4670
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-C12

<400> 4670

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cgtcaattat catctattca ggggtaagct atgggatgtg cttcttctct tccagatagg 120

aactctggaa ctttaagtgg tcttagcaat tcagagaatg ctgttccagc tgatgccaaa 180

aatctacgtg tgaagttagt tctattagga gactctggtg ttggtaaaag ttgtattgtc 240

cttcgatttg tacgtggtca gtttgacgct acatctaagg taactgttgg agcctcgttc 300

ttgtcccaaa ctatagcatt gcaagactct accacagtga agtttgaaat atgggataca 360

gcaaggacag gaagaaggta ttctgctcct tgcaaccaac taataccaac cgtnggaagc 420

ctggaatttg ctggttaant tgtgntatgg ataataacaa agcccctgga aatccgtttc 480

aaaggaaaaa gccacaagtt aattggggtt taaagggaaa cct 523

<210> 4671
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-029-Q1-E1-A4

<400> 4671

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accaannccc tttnctccca tggaanaaan cancancncg gccgttgtgg attttcctga 120

caactttatg gaccagctct tgtgggagga gtgctgggaa gaagaggcaa cgcagcatga 180

ccaggcatta tcatcaccat cagggctgaa ggagagggtg gcttgcgcca tggggcacct 240

gcaagaggtg atgggagaga gggagttgct gatccagctg tgggtgcctg ttgagacaag 300

gagcggccga gtgctgagca cggagganca gccttactct atcaacacct tctcccagag 360

ccagagcctg gccctctacc gagacgctca gctggctaca acttcgcagc anaagttggt 420

cggnnaactg gtggggctgc tgggccttnt gttccnaagg aaatgcctga ttggncccaa 480

acnttcggtt tttcaggaag gagg 504

<210> 4672
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-E12

<400> 4672

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ccccacttga ccaaccccgt gaggataaac tgttgccgac gcttctcgcc gataacaccg 120

gttttgttgt gacggaaagg aaaaatgggt ttgatttctg ggattctgtt cgggattatc 180

ttcggcgtan ctctaatggc tggctggagt cgtatgatga ctcaccgatc gtccaagcga 240

gtcgccaagg cagttgatat gaaactacta ggctctctta gcagagacga tttgaagaaa 300

atttgtggtg ataatttccc tcaatggata tcgtttccag catttgaaca ggtcaaatgg 360

ctgaataaac tactgagcaa gatgtggcca tatattgcag aggcagcaac aatggtaata 420

agaaattctg ttgaacctct gcttgaagaa tacagaccaa caaggaa 467

<210> 4673
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-E2

<400> 4673

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accatgtgaa atttggaaaa tggnaaggtc tgaatattcc aactctagca ctgtaagttc 120

ggaaggcagt gttcaagatc taagtcagaa gattagtcaa tcggatgaag catcttcaaa 180

ccatcaggaa acgggtctgg tgaagctcta cagtgttggt gaaagttgca acgagaacat 240

tccggaatgt agttcatttt tccttccaaa agctgccatt ggatttatca caaaccttgc 300

atcaagcctt tttggttatc agggttccac ttcggttata agttcacatt cacgttgcaa 360

tgattctgaa gatcaaagtg actctgaagt ccttgttcaa gaaacagcaa gaatcatatg 420

acaactctga aacaaattca ggtgaanttg gtatgaccac aacgatggtc aacat 475

<210> 4674
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-E7

<400> 4674

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tcttagagga gattttgata gcatcgttta caggagtaag atccgggaat ggcaatggag 120

gttggggaga tgtctcagcc ggaggcgacg gcgagtcttc tctctctcgc ttccgccact 180

cagcaaccgt acgtctccga gctcctctct ttcactcttg atcgtctcca caaggaaccg 240

gagctgcttc gagtggatgc ggagcggatt cagaggcaaa tgcaagaggt ggctgttgga 300

aattaccgcg cgtttatcac cgctgctgat gctttgcttg cgatccgtca ggaagtttct 360

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cactgaatta tc 432

<210> 4675
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-F1

<400> 4675

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cttnncntcn tcttctctct actctattct aattctaaag agagagagaa aagctatgga 120

tggatatgaa gctactagga ttgtgctctc tagaatccaa agcttagacc ctgaaaacgc 180

atcaaagatc atgggtcttc tccttcttca agatcacggt gaaaaagaga tgataaggct 240

agcttttggt ccagagactc ttgttcactc tgttatagtg aaagccaaga aagagttagg 300

tctcatgaac tgttcaaggt ctccgtggag tcatcaagat gagttgatta gccctaagaa 360

caaccgtggc tcttcactca atccaacttc cttgcccttt tacctaatgg aggaagatnt 420

ccaaggaatt aaccaacgaa ttcaactcat ggatgatatg aactccagaa gtaatga 477

<210> 4676
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-F10

<400> 4676

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taaactggac tatcttgatc tttatataat tcattggccg gttagctcga aacctggtaa 120

atacaagttt cctattgatg aagatgattt tatgccaatg gatttcgaag tagtgtggtc 180

tgaaatggag gagtgtcaga gacttgggct cgcaaaatgc ataggagtaa gcaatttttc 240

atgtaagaag cttcaacaca tactctctat cgcgacaatc ccgcctagcg tcaatcaagt 300

tgagatgagt ccaatatggc aacaaagaaa gctaagggag ctttgtagat cgaacgacat 360

tgttgtcaca gcgtactcgg tgttgggatc tanaagagct ttttggggaa ctcccaaaat 420

tatggaatct gatgttctca aagaaatagc agaagcaaag gaaaa 465

<210> 4677
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-F12

<400> 4677

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atagtgaaga cgacgaacct ttgaggacac tcttcggttt ctccaatcct tcatatgatg 120

tcggacggag gagcaccgtc gagatacgtg aagttgacga nggnacaagc tccggtcgat 180

gagattcatc ccggtgaant caatcanccc attgangttt ctcatctagc tgttcacaaa 240

tgcantgagt gtggccaacc tttgcctgag aattttgaag ctcctgctga tgagccctgg 300

actaccggaa tattcggctg cactgaggac atgaatagtt tttggntggg acttttctgc 360

ccaagtgttc tatttggacg tgtctatgaa actctgantg atgaggaaac ctcgtggaag 420

anagcatgta tttgcattcc attgtantan aaagcggtct tactgctgca tc 472

<210> 4678
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-F7

<400> 4678

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atggnggagg aggcaaggct tgtggattat ttcgatgtca tctcaggaac aagcaccgga 120

ggtttgatag tggcgatgtt gaccgcacaa gaccaaagcg gtggccatag ccgcaacagc 180

aaccgccctt tgtttgaggc caaagaaatc gtccctttt atctcaaaca ctcacccaaa 240

atctttccac anccacgagg gatattctgt ggttggggtg aaaccatagt gagacttgta 300

ngaggaccca agttcaacgg taaatacctt catgacttan gntgaaggtt tcttgggcga 360

cacaaaatta actcantctt tgacaaacgt tgtcatacct tgcttcgaca tcaagananc 420

tccaaccagt tatccttcnc ctc 443

<210> 4679
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-F9

<400> 4679

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gctgccaaat tggtgaaacc agtttccttg gagcttgggg gtaaaagccc tatcattgtc 180

tttgatgatg tcgatattga taaagctgtg gaatggacta tgtttggttg tttctggacg 240

aatgggcaga tttgtagtgc cacatctcga cttcttgtgc atgaaaggat tgctgacgag 300

tttttggaca agctggtaaa gtggaccaag aacattaaga tttcagatcc ttttgaagaa 360

ggctgtangc ttggtcctgt tgtcagtaaa ggacagtacg agagagttct aaagtttgtc 420

tcaaacgcta ngaatgaagg tgcaactgtt cctttgtgg 459

<210> 4680
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G1

<400> 4680

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caaacccacg cctgcaacgg tggacatggc taatccagag gagcttaaga aagttttcga 180

ccagtttgac tccaacggcg acggcaagat ctcagtcctc gaactcggcg gtgtgtttaa 240

ggctatgggg acttcctaca cagagacgga actcaaccgc gtgctcgaag aagtcgatac 300

agatcgcgac ggttacatca acctcgacga attctcaact ctctgtcgct cgtcttcctc 360

cgccgcagag atccgtgacg ctttcgatct ctacgatcag gacaaaaacg gactgatctc 420

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acgtacc 487

<210> 4681
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G11

<400> 4681

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtgaccgtta ctggatactc cggtagaagc 180

tcggcttacg cgccttcttt ccgttcgatt aaatgcgtct ctgtttctcc ggaagcttca 240

atagtaagtg atacaaagaa gttggcagat gcttctaaga gtacaaacct tataccaaat 300

ttaccgctgt atantccccg attagcttaa tcctggttcc ttggcttaac cgttgttttg 360

gtcaaaagaa agatgaancg gtgaaagctc cctaaccttc cnttttcgaa gtccggtttg 420

aagcctgggt t 431

<210> 4682
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G12

<400> 4682

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annntagaat actgagtact aaactggnaa ccctttataa gcaaaaagac caanagttaa 120

aagttaatta agatttggtt taaggcgctt tgctttatta gagaggaagg aacgaaccat 180

catagaaatc tctccttcgt tcaagttttt ctctactgtg ttggttgagc aatcgagtga 240

tggttattgc ggtggcgacg acgagctcca ttgtttccgg aatcaagctt tcagggatct 300

taacttcgtt caacgccgta gatgatgcgt ccagtagttg cggaagaagc aacttgaccg 360

gagttagaat ttttccgaca ttgaatcggc gacgattctc atcgattgga gctgtttccc 420

caattcgtgg ggatgctcaa tcttccttaa tccg 454

<210> 4683
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G2

<400> 4683

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anagatgatc tataaaaatg gaacgagacg gatcatatgc aaaccataaa attaaactat 120

ctgccaaaca cttaaaaaat caactctaga gatgggactt gagacaaaac caaacctctc 180

ctttgtactc atcatcctac tactcggctt ctttgcagtc tcttacgctt ccgttcctcg 240

gaaactaaat ccacatcaac gcatcggttt cttgaagccc ttcccgaaag tcttcacctt 300

caagcccttа ccaaaagtct tccccttcaa gccctcaccg aaagccttcc tccccaagcc 360

gatnccggtt actccaaaac cagtcccagt taagcgacca cgaccaccaa ctcctgagtt 420

cgattctcca actgacgtag cccaactcct ccccтcctct ccaggcttct ca 472

<210> 4684
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G4

<400> 4684

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ggattcattg agttcgtcag ccactctgta gcagagcggg ttttgcagac ttacaatggt 120

gctcccatgc cgagcactga acagacgttt aggctcaact gggctcaggc tggggctgga 180

gagaaacgat tccagactga agggcctgac cataccattt tcgtaggtga cttggcacct 240

gaggtgactg actatatgct ctcggacaca ttcaagaatg tgtatgggtc tgtcaaaggg 300

gctaaagttg tgcttgacag gaccactgga aggtccaagg ggtatgggtt tgttaggttt 360

gcggatgaaa atgagcanat gcgtgccatg actgaaatga atggtcaata ctgctcgaca 420

aggcctatgc gtattggtcc ggctgccaat aagaatgctc ntccgatgca acc 473

<210> 4685
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G8

<400> 4685

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cgttgaaggt gggattgcct ctgtaatcgc cggttgctct actcaccctc tcgatctaat 120

caaggttcgt cttcagcttc acggtgaagc accttccacc accaccgtca ctctcctccg 180

tccagctctc gctttcccca attcttctcc tgcagctttc ctggaaacga cttcttcagt 240

ccccaaagta ggaccgatct cactcggaat caacatagtc aaatcggaag gcgccgccgc 300

gttattctca ggagtctccg ctacacttct ccgtcagacg ttatattcca acaccaagga 360

tgggtctata cgaaagtgct taagaacaaa atgggactga tcctgagtca nggaagttga 420

atctgantag gaaga 435

<210> 4686
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-027-Q1-E1-D9

<400> 4686

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aacaccatgg ccagcttcga cgatgagcat cgtcattcct cattctcggc taagatttgc 120

aaagtctgtg gcgatgaggt caaagacgat gacaatggtc agacttttgt ggcgtgtcac 180

gtgtgcgttt acccggtttg caaaccttgc tatgaatatg agcgtagcaa cggtaacaaa 240

tgttgccctc aatgcaacac tctttacaaa cgccacaaag gctctccaaa aatcgccgga 300

gatgaagaaa acaatggtcc tgatgattca gatgatgagt tgaatatcaa atatcgccag 360

gatggttcct ccattcacca gaattttgcc taaggat 397

<210> 4687
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-H5

<400> 4687

gctgatagan agtaganaga cacacgcaca ttttgagctg cgtgctctgt tttaagcttg 60

aaggaggaaa aacatggcag accaanaatc agataagaac attgagattt ggaagatnaa 120

gaanctaatc aaaggacttg aaaccgcaag aggtaatgga acaagtatga tctctcttat 180

aatgcctcct agagatcaag tacctcgtgt cactaagatg cttgctgatg aatacggaac 240

cgcctcaaac atcaagagtc gagtgaatcg tcaatctgtt ttatctgcca ttacttctgc 300

tcaacaaaga ttgaagcttt acaacaagag ttcctccnaa tgggtcctgt tctctatact 360

ggaaccantg ttactgatga tggtaaaaga gaagaaagtg acgattgatt tcgagccttt 420

aaaccgatta a 431

<210> 4688
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-H9

<400> 4688

ncaagacggc acaagtaaaa aatggctgaa gaacctacta ctaccactct cgttacaccg 60

gaaaagctac cttctccgag cctcacgcct tctgaagtat ctgaatctac tcaagatgcc 120

ctaccgacag agacagaaac tctggagaaa gtgactgaga ctaatccacc ggaaactgca 180

gataccacca ccaagccaga agaagaaacc gcggcagagc atcatccacc gacagtgacg 240

gaaacagaaa ctgcatcgac ggagaaacaa gaggttaaag acgaagcatc gcagaaagaa 300

gtagctgaag agaaaaagag tatgattcca caagaatctt ggttcattca aagaagaaag 360

cagcaaactt tctgatctat ctaattccga agaaagaaat cactcgatga ac 412

<210> 4689
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-A12

<400> 4689

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ccgccgaaac cgaaactact aaccctaatc tctcacatca cataaacaat cacttcacat 120

agccgcaaaa tttaatggca gacgtcaagg ttcaatccga atccgaatcc tcggattctc 180

atcccttggt cgactatcaa tcacttccac cttatcctcc gccgcatcca ccggttgaag 240

tagaggagaa tcaaccaaaa acatctccga ctccgccgcc gccacactgg atgcgttatc 300

caccggtgtt aatgcctcag atgatgtacg cgccgccgcc accgatgccg ttctcacctt 360

atcatcaata tccgaatcac caccactttc accatcaatc tcgtggtaat aagcatcaaa 420

acgcttttaa tggtgagaat aaaactaatt gggttggtga tttgcaaaac tgg 473

<210> 4690
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-A2

<400> 4690

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cgtcctttgn ttcgtctttc attcattctc ctttgtgttt tctcttttg gagattttaa 120

cttcagtttt tgtctaatta gggttttaat ttaaattgga gggaaatttt agatgcagtg 180

acgtagtttt tgggtaaatt ttcgtcggat tctgaattgt ctccggcgac atggcttcta 240

atctccccat gagccctcaa ttggagcaga tccatggcga aatccgtgac catttccgag 300

ccctcgcgaa tggtttccag aggttggata agattaagga ttcaactaga caaagcaaac 360

aacttgaaga acttactgac aagatgagag agtgtaaaag attggtcaaa gagttcgacc 420

gtgaactcaa ggatgangaa ctagaaatcc cctgaagtaa ataagcaatt gaacgatgag 480

aa 482

<210> 4691
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-A8

<400> 4691

aaaaaaacct tcgtgtgcgt ctctcgtcct ctaaattgtc gaaaatgctg gctaggctcg 60

ctgcgaagcg tcttctcgag atccgtcaag ttttccgtca accaacctct caggtgactc 120

gtagcttatc gacggcctta aactaccatc tggattctcc tgataacaaa cccgatcttc 180

catgggagtt ttcagaggct aaccaatcta agaatcggct attctggaac tgatttaagg 240

gagagactta gagtgaacga cccaaatggc caacagattt gaatctgcta gtgtggcaga 300

aagactgtcc agaaattagt aaaccggttt cattgtagtt taaatcctaa tactttcttg 360

tgcatttagt tccagtttac tgtatcttca ttctgggcta cagtaatcnt gcataacggt 420

gaaatcgatt t 431

<210> 4692
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-A9

<400> 4692

nacactctca ctactttcta ttgcatctgt gcacccagag ttgggcaatg atgcgcnagg 60

gagaagcgga gaagcagaag cagtatgttg cacttgtatg gatttctcgt ccacttgaag 120

agaaagactt caactcaatt tcttgcctga aagaattgaa aatcttgcag aagacaccag 180

taagagtgct tcaccgacga agtccactgg accgtgaaaa gattatacat tggatgaaag 240

ttgaaaagat aaaaggacac tctcactact ttctattgca tctgtgcacc cagagtttgt 300

tcatggagat cttggtcgta ccactcccag catgggatca attttagggt gcanagcgga 360

gataatacaa ctagatgtga ctgatgtgaa antgggcgaa ccaatgaatn cca 413

<210> 4693
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-B1

<400> 4693

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acatacggag gaggctacgg agctccacca ccgtctggat cttcagatta cggaagttac 120

ggtgctggac ctcgtccgtc gcagccgtct gggcacggtg gaggatacgg agctactcca 180

ccgcatgggg tttctgacta tggaagttac ggtggtgctc cacctcgtcc agcgtcttct 240

ggtcacggtg gcggatacgg aggttatcct ccgcaagcct cttatggaag tccttttgct 300

tctctgattc cgtcaggttt tgctccgggg acagatccga atatagtggc ttgctttcag 360

gctgcagatn aagatggtag tggctttatt gatgataagg agcttcaagg agctctctct 420

tcntatcaac agagattcag tatganaact gttcancctc ctaagtacca a 471

<210> 4694
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-B8

<400> 4694

nactttatct cccaanggng aaaactcctc ttcaccaact taaaccctat taactaatcc 60

caacaatcag atgtttcgaa ttcaacaacc agctcaggcc ataagattca tcccggagaa 120

acaagaacga tgacaacaca taaacataga agaacagaga aaaatctctg ttttaagcaa 180

tactacaaat ggatcctctg ttttatcctc actctctatt tttttgcttc cttctttgtc 240

gaccatgatc aagatcatag atcttctact tccatatcaa agcatcttct tactaaccat 300

aaacctaagc ttttcgcttc tcgtgccatg tttgaatcta aaatccatga tcacaaactt 360

gggtttacct ctcaacaacc taacatcaaa acagacgtat caacaatttg aaatctacgt 420

cnatgactta c 431

<210> 4695
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-C10

<400> 4695

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gaggacaatg gttgatttag gaaancaaag agatcataac tatcaccaca tgcaaatcat 120

aaccactcct acctccgtgg antgttctcg cgaattccgt caccgangaa cacttcgttc 180

actcatcgaa tgcatgattc catactgttg cacttaccaa caacanccat accaanacga 240

caccctttca gtcncntcca cttcatcntc gtcntcatcc tcagaccact cttccncctc 300

ccanagtagc antaccgtat gtggaacttt cttcggacac cgtcntggcc gagtcagctt 360

ctgccttcaa gacgccgccg tgggatcttc aacgctgctc ctnctcg 407

<210> 4696
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-C12

<400> 4696

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ttctggttcg cataggtgac tccggtactg tttcttcgtc gatagccttt tcctatggcc 180

acaacagaag atactccagc ttctgctggt ccaagatatg ctccagagga cccaactctt 240

ccccaaccat ggaagggact tattgatgga agcacaggaa ttctctatta ctggaatcct 300

gaaaccaatg tcactcagta tgaaagacct tctgcgcctc ctccccactc tgccacaaca 360

ccgaagctag ctcagattcc tgtaccctct tcaggacaag gtcaccaagc tcagcatgaa 420

caagcaaaac cagttggtca tgtgtctcag cagcatggtt ttcaacaaca agcc 474

<210> 4697
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-C4

<400> 4697

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ttagtggnag aggtagagag tctctgagca attggctatc tccttgtgaa aatcttggaa 120

tagcagctga acatggatac ttcattagat ggaagagcaa agatgagtgg gagacttgtt 180

attcgcctac ggatacagag tggaggtcaa tggtggaacc ggttatgaga tcgtatatgg 240

aggcaacaga tgggacgagt atagagttta aagaaagtgc tttggtgtgg caccatcaag 300

acgcagatcc tgactttgga tcatgtcaag ctaaggagat gcttgatcat ctagagagtg 360

ttctcgccaa tgagcctgtg gttgtcaaga gaggtcaaca catcgttgaa gtcaaaccac 420

aaggtgtaag caaaggtcta actgcggaga aagtaatccc gagaaatggt anaaacccgg 480

ggag 484

<210> 4698
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-D12

<400> 4698

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cacgggtata ctagaaatga ngtggagtgg cgtangcata gacgaatggt ggagaaacga 120

gcagttttgg gtcattggtg gantatccgc tcatttattc gctgtgtttc aaggtatcct 180

caaagtcctt gccggtattg acacaaactt cacagttacc tcaaaagctt cagatgaaga 240

cggagacttt gctgagctct acttgttcaa atggacaaca cttctgattc cgccaacnac 300

nctgctcatt gtaaacttag tgggagttgt tgcaggagtc tcttatgcta tcaacagtgg 360

ataccaatca tggggaccac tctttggtaa gttgttcntt gccttctggg tgattgttca 420

cttgtancct ttcntcaaag gtttgatggg tcnac 455

<210> 4699
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-D2

<400> 4699

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aaagtacaga gatggaattg acaatctctt ggtcctcttg atcggtggta tccccattgc 120

tatgcccacg gtcttgtctg tgactatggc tatcgggtct cacaggttgt ctcagcaagg 180

tgctatcacc aaacgtatga cagccattga agaaatggcg ggaatggatg tcctttgcag 240

tgacaaaacc gggacactaa cccttaataa attgagtgtg gataaaaact tggttgaggt 300

tttctgcaag ggtgtggaga aagatcaagt tctactattt gcagctatgg cttctanggt 360

ggagaaccag gacgctattg atgcaaccat ggttggaatg cttgctgatt cgaaagangc 420

cgagctggaa tcaagagaag ttcacttcct tccaatcaaa ccctgttgga taaagagaac 480

tgctttg 487

<210> 4700
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-D8

<400> 4700

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ggagtagtca agcgcactca ctctaacggc gtacctttg catgatgggt cagcgaggaa 120

atgggaagag cggcttaagc cattaggtgt aggcgctttc caaaggtgga atcttctagt 180

tcttcctatt tgacccgaaa ccgatcgatc tagccatgag caggttgaag agagctctaa 240

caggccttgg aggaccgaac ccacgtatgt ggcaaaatac ggggatgact tgtggctagg 300

ggtgaaaggc caaccaagat cggatatagc tggttttccg cgaaatctat ttcagtagag 360

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tacaacccca agggaaactc cgaatacagg ccgttctcgt ttgtacag 468

<210> 4701
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-H2

<400> 4701

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gacattcttg gctgagagat ttacactaaa agcatagaat aagaaacccc tgtttggtta 120

gtatctaccc gagtctcgta gtcctacaca gatccggatc ctagtttcga agctagttct 180

tgtttagctg aagctcagac ccaaaatgct ccaagaaccg tcggctgcat tctccctccg 240

gcgtaactca ttcagacgcc gatctcccag atnaaatgtc gatgacaaga ggctggaatc 300

cgctccatat caaagccaag aaaangngat ntgaaatctg tcaagcagct tctcgaccaa 360

ggaatggatg tgaatgctct aacatgggga accaaatcaa aangagtnag ttgcacttca 420

acttgcanc 429

<210> 4702
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F10

<400> 4702

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cctctgtcgc tagtggctac acattgatgc gtgatccgag atacaacaag ggacttgcgt 180

ttactgataa agaaaganat gctcagtact tanctggtcn ncatcccccc gtgattttnn 240

gtcacagatg ttcatgagag gaaggtgatg cacaatctcc gtcagtacac tgttcctctg 300

cagcgttaca tggccctgat ggatcttcag gaaaggaacg agaggttgtt ctacaagctt 360

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tgccagaagt atgggagcat tttcaagaaa ccac 454

<210> 4703
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F12

<400> 4703

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caaaggcaac aaagaaccaa gcctccttct ttccttttgc gtggggatcg aggatctgca 180

ttggccagaa ttttgcattg cttgaggcaa agatggcaat ggcattgata ctccagagat 240

tctcctttga gctttctcct tcctatgttc acgcacctta cacagtcttc accattcacc 300

cacagttcgg tgctcctctt atcatgcaca agctctaatc gttcgtagca acccattttg 360

ttgttatcaa atatactttc caatcacaag atgaaacaan ttca 404

<210> 4704
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F3

<400> 4704

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gttcagtctg gtgacagtga tcggttaaga gtgtggtcag atatccattg tgctgttagg 180

ttaancggaa ctgttgcgaa aacgttgttg actctctaca ttaatggtaa cttcanagga 240

gaggatgtga atctacttgt atgtttggag aacttcacan tgnaagaaca tncnanaant 300

agatggagcc cagaactcag tcntgaagat naatccacac attcacaaca gcatgttcnc 360

aacgtgagta atttgaacac tctttgagga aacaatctcg gtacncaag 409

<210> 4705
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F6

<400> 4705

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gaaacgagag attcgagtga tgttttatga actactanta gtgtttnttt ccgtgaagta 120

aagagaaacg gtaacttttt ctatttgttt tcaagaaaag ccaaagaaaa aaagaatttt 180

taatatactc tgtttttttgc aatgattttg ttttgtgaaa tttttctcgg agaagaaagt 240

aatttagaag acggagagtg gcannacgaa atataaaaag aaaagttttc aatttctttt 300

aagaaaaana aaagcttttt cccttcntaa aacccttcct cngtttcaga agcaattgac 360

ataagaaaga aaatngatta naagctaatt gngttcncat cncctcntcc tctacagggt 420

tttaaaag 428

<210> 4706
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F7

<400> 4706

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agctatgacc ttggacgagg tttccatgga acgcaacaag agcttcgtta aggcattgca 120

ggagctcaag aacttgaggc ctcaacttta ttcagctgct gattactgtg aaaagtctta 180

tcttcatagc gagcaaaagc aaatggtatt ggacaatttg aaagactaca ctgtgaaggc 240

tctagttaat gctgttgatc accttggaac tgtagcttcc aagcttactg atctttttga 300

tcaccaaaat tcagacatat caactatgga aatgagagct tcttgtgtta gccagcaact 360

gcttacatgc cggacatata tcgacaaaga aggtcttaga cagcaacagc tattaacagt 420

tatcccattg catcacaagc attacattct tcccaattct gttaacaa 468

<210> 4707
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F8

<400> 4707

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ttgcgtcatc tatacgaatc catacgtctc tttgcttttc tccgatcggt cttcttttct 120

catcgccgga acgctttggt ttaatggggc acaagacatt ttcntggntc aacccagttt 180

tttgatgatg ancatnatca aggctggaat catacacacc cagaacatcc atattcgagt 240

caagcaacat ctgggaccag tgagaacaga tcacatgttt atccancaga anacatgttg 300

aatgaaggaa tgccagtgtc ttctcattgg aactcttctc caggaccaaa tgcttatact 360

gactcaggtc atagtgtgga gagaccacac tacatccggg ggtttccggg gccgttccaa 420

gatcc 425

<210> 4708
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G2

<400> 4708

ccaccggtca gacanatcac gggccgaccc acgcgtccat atagctccac gcgctcgtgt 60

cgctgtttac aaagtctgtt ggctcggtgg ttgtttcagc tcagatattt tagctgcaat 120

cgataaagcc atcgccgata acgtcaatgt cntgtcnatg tcactcggcg gtggaatgtc 180

ggattattat agagacggtg ttgcgatcgg agcattcgcc gccatggaaa gagggatttt 240

agtancttgc tcagctggta atgctggtcc gagtagttct agtttatcaa acgtagctcc 300

atggatnaca actgttggtg ctggtaactt agatngtgat tttccggcgc ttgccantct 360

ccgtaacggg aagaatttca acgggagttt ccttgnttaa aggaaaanct ttaacggata 420

aattgtgccg tttaattacg ctgggaaagc tagtaatgct actaaat 467

<210> 4709
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G4

<400> 4709

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gaagaggctg attttgccga gaaagatcct tctggccgtt acatcaggta tgatgatgtt 120

ctggggagag gagctttcaa gactgtatat aaggcgtttg acgaagtaga cgggattgaa 180

gttgcttgga acctagttag cattgaagat gtaatgcaga tgcctggtca acttgaaagg 240

ctatattctg aagttcatct actaaaggnt ctaaaacatg aaaacatcat caaactcntt 300

tactcntggg ttgacgaaaa gaacaagact attaacatga tcactgagct tttcaactcc 360

ggtaatcnca aggtatatcg taagaancat aagaaagttg attccaaagg catcaanaac 420

tgggcaangn aaattctcaa aaggctgaac taattgcaat cc 462

<210> 4710
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G5

<400> 4710

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gatgaccaac aatctccacc gttggatcta ccctctaccg ccatagctga tccttgctca 120

tcttcctctt caccaaacaa atctcgtaac tgtatctcaa attctcaaac tttccctgac 180

catgttctcg aaaacgtact tgagaacgtt cttcagttcc tagattcaag atgtgaccgt 240

aacgctgctt ctctagtttg caaatcttgg tggcgtgttg aagctttgac tcgatctgag 300

gtttttattg gtaactgtta cgctctttct ccggcgaagt tgactcagag attcaagcgt 360

gttaagtctc ttgtgctgaa agggaaacct aagtttgctg atttcaatct catgcctccc 420

tgaatggggg 430

<210> 4711
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G7

<400> 4711

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ttcgtcgtct catggtggcg agtacaagaa tttccgacag attacgcgtg aacgactctt 120

gtatgagatg cttagatctg caaagacagg gagctcaaaa tccacctgga aggtactaat 180

catggacaaa cttactgtca agataatgtc gtacgcctgc aaaatggctg atatcacaca 240

agaaggagtt tcattggttg aagacatatt tagacgaaga caaccacttc cttcaatgga 300

tgcaatatac ttcatccagc caactaaaga gaatgtcatc atgttcttgt cagacatgtc 360

tgggaaatca ccttgtacaa gaaggcattc gttttcctca gttcaacggn ttccaagg 418

<210> 4712

<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G8

<400> 4712

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aacctaacgt tgagttaagg cgcccaaatg cacgctcatc agataccata aaaggtgttg 120

attcataaan acagcaggac ggtggccatg gaantcggaa tccgctaagg agtgtgtaac 180

aactcacctg ccgaatgaat taccccctgaa aattgatggc gctgaagcgt gctgccgata 240

ctcaaccatt agtgcanntt taatatgang cnctaatgag taagagggcg tggggacaag 300

tgtaaaancc tttancgtga gcttgggtgg aactgtctct agtgcagatc ttggnggtan 360

taacaaanat tcaaatgaga acttngaagg ccgaantgna aancggttcc atgagaacag 420

caattgggtc atgggntact c 441

<210> 4713
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-G9

<400> 4713

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cctacaaaac ctccggttat tctctccggc ggcgaacgca gctctatccc tagatcatat 120

ccaagaaacc caattaactt acctccctgg attccctcga cccgatccaa aacacgcaga 180

gacgatctta gccgttccaa ggtctgtctc cggcaagagc atatcagcga aagagcgtaa 240

agcgggtcgg gttccttcga tcatattcga acaagaggat ggacaacacg gaggaaacaa 300

gaggcttatt tcagttcaga cgaatcagat caggaagctt gtgaatcatt tgggttactc 360

ttttttcctc tctaagctct ttgatgttga agttcgaact gagaatg 407

<210> 4714
<211> 404
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-H11

<400> 4714

ngagaagaga gaagagagaa gaagaaggcc atggaaagat aatactctgc ttttttttta 60

gaaatataca gaggaaataa agagagagag aaggagatgg cgtattcaag cgattctgtc 120

tccattgata tggaggcatt gtctcttgga ggacaggaac accttgtgga gactacttat 180

ggcccggttt gtgttgccgt ttgtggagat ccagataaac cagctcttat cacttatcct 240

gatatagctc ttaattatat gttctgtttt caaggattat tgttttgtcc agaagctagt 300

tctttgttac tccacaactt ttgcatatat cacatcagtc ctcttggcca tgagttggga 360

gctccaatga tcagtgttga tgctcctttg ctctcaactg atga 404

<210> 4715
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-H12

<400> 4715

cnctatttaa acatttatct tgtgacgttt cacataacaa gatatatcta caataacccc 60

aagaaattta acagaatgaa agtaattact tccctaatct cttccanttt gcntaaattc 120

atccacaaag acttccatga gatttatgca agaatgtccc tcctcgatng gnttcctcct 180

cctaacgtgc aaggagtgga taaganggnt ccaaggnata agcctccaat aatcctgggg 240

gtaaactanc cttgaagtac gaaagactcc ttcaacaaca atacaatcct ctcaacgtcg 300

gcaaaactcc gactgggatc cggttgatcc tgcaaatanc cgtaccggac tgctgacgga 360

aatcatgatc ccttaagaag ngtc 384

<210> 4716
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-F1

<400> 4716

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tcttacaata tttatagata agataacaac aatatgaagc attctcacgt nttgcttctt 120

ctatttgttc aagtcattgt ccttttgcct ctcctttgtc tatccgacga ttttgttaac 180

tctagagcta cttattatgg cagccccgat tgcaaagcaa atcctcgggg acattgtggg 240

tatggagaat ttggaaagag atatcaataa cggtgaagtg agtggtgttt catggcgact 300

atggaacaat ggaactggct gtggtgcttg ttaccaaggt gangtgcaaa gatacaacac 360

actgcagtga ngaangagta tacgtagtgg ctacggactc ccggagaaag gagatngcac 420

ggacttcat 429

<210> 4717
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-C5

<400> 4717

aacaacaacg atgctgcttc gaatttctgg taacaatctg agacctttga gaccacaatt 60

tctcgctctt cgaagctctt ggttatcaac ttcgccggag caatctactc aaccacaaat 120

gcctccgaga gtaccaaatc ttattggagg ttcttttgtt gagtctcaat catcttcgtt 180

tatcgatgtt ataaaccctg ctacacaaga ggttgtatct aaagttccat tgactactaa 240

tgaagagttt aaagctgcgg tatccgctgc gaagcaagcg tttccgttgt ggagaaacac 300

gccgattact acccggcagc gtgttatgct aaagtttcaa gagcttatac gcaagaatat 360

ggataaactt gctatgaaca tcacaaccga gcaagggaaa gacttaaagg atcacatggg 420

gatatcct 428

<210> 4718
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-C8

<400> 4718

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ctgccatgat ctcccgacct gtctttcttt ccgatcgagt tgatgaagtc ttctctagaa 120

agcttgattt gtctgtctct tcttcgtctt cttcgagcct cctccagcag ttcaataaga 180

ctcatgaagg tgatgatgac gcacgcctgg ctcttgctca tcagctatac aaaggaggcg 240

atttcaaaca agccctggag cacagcaaca tggtttacca agagaaaccc attacgcact 300

gataatcttc ttctaattgg tgctatttat taccagcttc aagagtatga tatgtgcata 360

nctcgaaatg aagaaactcc tccgtaatca acctcaa 397

<210> 4719
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-D10

<400> 4719

gancttтcca gacttggagt cgccaaggat ctcggtgata gtgtcggatt catcgccggt 60

actctctctg agatcttgcc tctttgggcc gctcttcttg ttggcgccgt tcagaacctc 120

atcggttacg gatgggtttg gcttatcgtc accggtcgag ccccgattct tcctctatgg 180

gctatgtgtg ttctcatatt cgttgggaac aatggcgaga cctacttcaa tactggagca 240

ttagtctctg gtgttcaaaa ctttcccaag agcagaggtc cagtggtggg tattctcaag 300

ggttttgctg ggctaggtgg tgcgatcatc tctcagatat atacaatgat tcactcatct 360

aacccggctt ctctcaatct caagggaact gttacgcctg cant 404

<210> 4720
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-D4

<400> 4720

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tgatgagcaa gcggatgcta ttaaagatgt ccttgcaagc gaagaacatt gctgctaatg 120

tctatgttgg tatgcggtat tggtatccgt tcactgagga ngctgttcaa cagataaaga 180

aggacaaaat tactagactt gttgtactgc cattgtatcc tcagtattct atctctacaa 240

cgggttcaag catacgcgtt ctccaagatt tattcaggaa agatccgtac ctagctgnga 300

gtgccggtan ctattataaa ntcctggtac caaaggcgaa gctatgtcaa ttctatngct 360

gacctcattg anaangagcn tcaaaacttt cccctgatcc taaaggangn tatgatantc 420

ctcaattgcc catggtgttc cggtcaacta cgttnaaaa 459

<210> 4721
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-D6

<400> 4721

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cttagttcga catgaaggtc tttatctaat ctccactcgc tggcaatgaa gatgagagtg 120

gaaaccgcac ttgcgatcct tttggttctc atatcaattc aacaatgtta nggangtgta 180

agcaactata catgtacgtg tttctcttcg ggcaatcgaa gtgatatcct ggaatctaac 240

tgttccacat catgtaattg cagaccanca gacagagatc aatgggtatg tttgtgtcct 300

gcaaatggat ttccggttat agccattggt ggttcaaatt cgtcatgctt cacttcatgc 360

aactgctctg ctgggtgcta caaaatcttc aaagaagcaa tatttatcga ggaaactcgt 420

tataanttat actactcctc ctgcggtgta ctaattcact aacaatt 467

<210> 4722
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-D8

<400> 4722

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tggattccgg gacgcagcca gaagggttgc aggcagcaca gccagcaggg ttgcaggcag 120

cagggttgca ggcagcacag ccagcagggt tgcaggcagc acagccagca gggttgcagg 180

cagcagggaa gcggaagccg cctacgacga ccgaggatcc aaatgatcca cagcatataa 240

tccacgattt cctcacaata gtgaacaaat tggagaagga agtggatctt ccaggcgcta 300

taaccagggc tagaacctat gatgctgagg ttgatggact gataactgct gaccaaccac 360

agacgaatct gggaagagca gaaagtgccc ctattcctaa tgctaagcca gaaggccaaa 420

tgatatcata t 431

<210> 4723
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-D9

<400> 4723

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ccatctgcgc cacttgcaaa ctctcccatt ccaagaaact ctcattcttc tgttccttta 120

gttgttggct gcgtaggcgg tgctttttt cttctccttg tagctaccgg tctctacttt 180

ttcacaagta aggccgggaa aactgtgaat ccttggcgta ctggtcttag tggacaactt 240

cagaaagtat tcgttactga tctgagattg aagctgcatg tgaagatttt agtaatgtca 300

ttggatcttg tcccattggg aagttgttca aaggaacatt atcaagtgga gtggagattg 360

ctgttgcttc ttttgctact actactgcca aagactggga aggacagtac aagaaattca 420

cttcangaag aagattgaaa tgttatcgaa gatnaaccac a 461

<210> 4724
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E1

<400> 4724

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ttgaaatgga tggagacgaa atgactcgag ttatctggaa attcatcaaa gacaagctta 120

ttttcccttt cctggagctg gatatcaaat actttgatct tggactgcct aaccgcgatt 180

tcactgatga taaggtataa tgtggctatt aagtgtgcga cgattactcc ggatgaagct 240

cgtgttaggg agttcggctt aaagaaaatg tggaggagtc ctaatggaac tataaggaac 300

attttaaacg gcacagtttt cagggaacct atcatttgca gaaacatccc tcgtcttgtt 360

ccaggatgga cgaagccaat ctgtattgga aggcatgctt ttggggatca atatanaacc 420

actga 425

<210> 4725
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E10

<400> 4725

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aggatgaggg ttattccagt tttcaatgag aatgatgcta taagcactcg cagagccccc 120

tacaaggatt ctactggtat attttgggat aatgacagct tagccgctct tctgtcgcta 180

gagctgaaag ctgatctttt gattcttcta agtgatgttg agggccttta cactggccct 240

ccaagtgatt ctacctcaaa attaatacac acattcatta aagaaaaaca ccaggacgag 300

attacttttg gcgaaaagtn caaattnaga ccaaggggta ngactgcnaa agttaaanct 360

gctgttaang cancntangg tggcgttttc ctgttaacaa aaccatgtgg ataccctctg 420

aaaatattta atnccttaag gg 442

<210> 4726
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E3

<400> 4726

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ttttatattt cccaaatcct acacctgctc acatctcaag ctcaagtttt gttttcccgg 120

gaaaagtgac acaaacaaga acttaacaag ggagaagaaa aagcttatat tcatatcaac 180

ggttgacgtt ggaaagctat taagatttgg ttttctacaa atttgttctt cctgaaacgt 240

cacgagacag agcttacaag aagagaaaac agaggaaatt tcgttgcatt ttttttacat 300

attgattcga ttaatggatt caaataatca tctctacgac ccgaatccca acgggtcggg 360

tcctcttcgt tttagatnag ctccgagntc tgttctcgcc gctttggttg aanaaca 417

<210> 4727
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E5

<400> 4727

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tcatcttctt ggacaagaag tggtccgaac caaaaccaag ccagagaatg aatctctcag 120

gggatcgaac aactctaaag cgtcactcgt cgctttcaac acttgtggct catttctttg 180

gcatcttagc tgttgttctg atgctaattt ggcttctcca ctaccgtgaa ggcatcgagt 240

atggctccga caacccccct aaggttttaa atgtgcaccc atttctcatg tactgtggat 300

ttctcttcct cgtgggccaa gcaatgatga cttacaaaac ggcgtacgcg tcgcaccaag 360

ttcagaaaat ggttcacggt gggcttcact taatangctt agttctaagt aatgtcngaa 420

tctgcgccg 429

<210> 4728
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-E8

<400> 4728

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tccgttccag ggctcatcga actcgtcgat tcgaaaacca tctttgggaa cgtagccgaa 120

ctcttagaga aagagaaact ttccatcaac tacgccaact gcagaagctg gcaccttggt 180

gttgagacct ctaacatcat agacttcgac acggtgcccg caaattgcaa agactatgtt 240

gaagactact tgatcacttc caaacagtac caatacgact ccaaaaccgt gtgcaaagag 300

gcttatttct atgccaaagg acttgcccta aagaacgaca ccgtcaatgt ttgggatctt 360

tgacctagat gataccctcc tctctaatat ccctactacg caaaatatgg atacggaaca 420

agagaagacc 430

<210> 4729
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E9

<400> 4729

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agaagtactc tatgtcttct tctcttccac atcatttgga aatccactgg ttctccatta 120

ttaactcctg tgtcactgtc cttcttttga ctggattcct tgcaactatc ttgatgcgag 180

tcctcaagaa cgatttcatg aagtatgctc aagatgagga agctgctgat gatcaagagg 240

aaactggatg gaagtacatt catggcgatg tgtttcggtt ccctactcac aattctttat 300

ttgctgcatc gctcggtagt ggcactcaat tgttcacgct caccatattt attttcatgc 360

ttgctcctgt tggagtgttc taaccataca aaccgaagga gcactcct 408

<210> 4730
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-F1

<400> 4730

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tgacttgtgt ttcacggttt gagcatcttc atctcttggg ggaaggagcg cctcctgatg 120

ccactttctt tgcatttcct caaacggagt caggaaactc tccactggct aagccaaatt 180

ccgtacctgc aattaaagaa agagcacctg gaaaacttca gtatgctgca tctgctatga 240

taaggggttc ctacgatggt tctggtgttg ctggaaaggc ttctaataca gtgacatctg 300

aacagatgaa caacttgata tctaatctaa acttgctaga acaagttggt gacatgagtc 360

ggatatttac tcgtagtcaa agattgaata gtgaagccat aattgacttg ttaaaaccct 420

cctgcaaagt tcca 434

<210> 4731
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-C4

<400> 4731

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aacccgantn anaaaatggt ccggggtaaa agggaanaaa tggaaccaag cctatccggg 120

tatccgattc tttggggaac caactttact ccntgcngtc cngagttatg ggcaaacacg 180

aaccgttgtt gangatnatt ggcggatgat caaggggaac agaaccacgc catcttacgt 240

tgctttcacc gactccgaga ggttgatcgg tgacgcagct aagaatcang tcgccatgaa 300

ccccgttaac accgttttcg acgctaanag gttgatcggt cntcgtttct ctgacagctc 360

tgttcaaagt gacatgaaat tgtggccatt caagattcaa gccggacctg ccgataagcc 420

aatgatctac gtcgaataca agggtgaaga ggaaagagtt cgcagctgaa ngagatttcc 480

tccaanggtt cctaattaan atgcnttgaa attgctgaag gcttaccttg gtgtc 535

<210> 4732
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A11

<400> 4732

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accggagttt aacaatgcta ttccctctag cctaacaaga gagagccctt atctgaccca 120

tccaatcttc aacatgtacc acacggagca tgagttgctt aggtacatcc acaagttaca 180

aaataaagat ctatcattgt gccacagcat gattccactt ggatcttgta cgatgaaatt 240

gaatgccacc actgaaatga tgccagtcac atggccaagt ttcaccaaca tgcacccttt 300

tgctcctgtt gaacaagccc aaggttatca ggaaatgttt acgaatttgg gtgagctctt 360

atgtacgatc actgggattc gactctttct cattgcaacc taatgccggt gctgctggcg 420

aatacgcccg gctcaatggg t 441

<210> 4733
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A12

<400> 4733

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aagggtggtg agatgggaga tgtatgggat gatggtgttt acgaaaatgt tagaaaggta 120

tatgtagggc aagcacaata cggtatagcc ttcgtcaagt ttgagtatgt caatggttct 180

caantggttg ttggagatga acatggnaag aagacagagc tangagttnn anagtttgag 240

attgatgcgg ntnactacat cntatacntg gaaggttacc gtnagaaagt taacgatatg 300

acgtcagaaa tgatcacgtt tctttctant aagactttta aaggcaaaan ctctcatcct 360

atcganaaaa gacctggggt ttantttgtg ccacatggtg gnaaaatcg 409

<210> 4734
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A2

<400> 4734

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taatgtggtc gattggtttg gttttgttat atattatgca tttgtatggg ggtcagtcaa 120

tgtttgaact ttgtataata tttctttggg tctagtgata aatattttcc cttnnnnnnn 180

nnnnnnnnnn nnnnnngggc g 201

<210> 4735
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A4

<400> 4735

angcacacca ccattgaatt gaactnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngaga agtagagaga 120

agctccgatc tgataggaac tgtgagtttc cttgagtctc cggagaaaga agtcgccgat 180

ttgctcctga taatcttagt ctcgaaatca aaacgatgtt ttgcgattgc ttctactgga 240

ataaaggttt ctccgagttg gaatcggaat cgtccgagtc aaagcccttc tcgcttccat 300

ctcctcttcc tcaatggcca caaggcanag gttttgctac tgggaangat aagtcttgga 360

gaaatccaag tggtgaaagt caccgagttc gatagaattt gggaatgtgg naactccgcc 420

tgggaaaata agaat 435

<210> 4736
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A6

<400> 4736

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caaaaacaat ggctaaaccc acatcacgaa atgaccgatt tgccctttc ttcataaccc 120

taattttcct gatcctaacc gtttccaaac cggtcgcctc tcaaaactgt ggctgcgcct 180

ctgacttctg ttgcagcaaa tatggctact gtggtacgac cgatgagttc tgcggcgagg 240

gctgccagnc angaccttgc cggagcagtg gangcggtgg agatcctgct gtttcacnan 300

aaggaacggt gacacctgac ttctttaact ctatactaaa ccaaagaggt gattgtcctg 360

gcaaaggatt ctacactcac gacaccttca tggccgcagc taattcttac cctancttcg 420

gtgcttccat ctccaaacnc gaaatcgcng ggtttttcgc tcacgttanc caagaaacaa 480

ggttc 485

<210> 4737
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A9

<400> 4737

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ccttcatgtt ccgttaccgt taacggctgt ttttttttaa tctccggtga ccgttctttt 120

tctgattcca ggtgttgcca gctgtttttt tttttgggag atattttttt taattccttt 180

taaagttagt tataagtcag ttttgtctgc ttggattttc atttataaaa caaggtggaa 240

ttaggtttct tccgatagag aaaggggctt gattttggac aaaggcacgt gtcttagtct 300

tttattcaag cttcgatcta taagttatga tttgggtttg gttttgagtt ctccaatttt 360

agtcncanct ctgtggttgt tgtaactggg tttgtgatgg aacc 404

<210> 4738
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B11

<400> 4738

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acgcgtccgc acttccccaa tctctagatg acaatctaac gatacagttc cttttagatc 120

gattaccaaa tacaaaggat caatttttct tacatgaaca ctctgttgta atggcagagg 180

agaatctaga actgagtctt ttatgtacag agagcaacgt tgatgatgag ggcatgattg 240

ttgacgaaac tccgattgaa atttcgattc ctcagatggg tttttctcaa tcggagagtg 300

aggagattat catggagatg gtggagaagg agaagcagca tttgccaagt gatgattaca 360

tcaagagact tagaagtgga gatttggatt tgaatgttgg aagaagagat gccctcaatt 420

ggatttggaa ngcttgtgaa 440

<210> 4739
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B12

<400> 4739

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aatctcgagt attatggaga ttaatgttga tgaagaagct gggatcatca aagaagaaac 120

agttccactc ctggatgatc aaaatcgaaa tcgggactta cctgacatag aaaggaacac 180

tatgatgcaa aaggcaatag gtaagacttt tcagacaaca gctaatctag ctaatctttt 240

acctacgggg acagttcttg cattccagat tttatcgcca atttgcacaa acgttggacg 300

ctgcgatcta actagcagat tcatgactgc gttgctagtt tccatctgcg gattctcttg 360

tttcatactt agcttcacag attcttacaa ggatttgaat ggtagtgtct gctatggatt 420

tgcaacaatc caagggttct ggatnattg 449

<210> 4740
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B2

<400> 4740

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gtggtgcggg tgctggtggg ttctcgtacg agtatggggc tcgtgattca gggtttggag 120

tagttggggc tcagatgaga catgttcagg cccatgggcc gagaccatcg gttaatgggt 180

tttcaagaga agtaggaact acttttgatg atggtttagg gttggatttg catctcagtc 240

ttgcacctgc tggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnaattccag tgaaaaaaaa aaaaaaaaaa gg 392

<210> 4741
<211> 475

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B5

<400> 4741

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ggctttaggc tccccagatc tctaatcgcc gcagctttaa gaaatggaga ctttcctatt 120

cacatctgan tctgtgaacg aaggacaccc tgacaagctt tgcgaccaga tctctgatgc 180

agtccttgat gcctgccttg agcaagacnc tgatagcatn nttgcttgtg anacatgcac 240

cangaccaac atggtcatgg ttttcggtga gatcaccacc aaggctacga ttgactacga 300

gaagattgtc cgtgacactt gccgttccat tggattcatc tctgacgatg ttggtcttga 360

tgctgacaaa tgcaaagtcc ttgttaacat tgaacaacag agcccagaca ttgctcaagg 420

tgttcacggt cacttcacca aacgtccaga agacattgga gctggtgaac aaagg 475

<210> 4742
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B6

<400> 4742

ggtacganat tgaattcgtc ggccgaccca cgcgtccanc cacgcgtccg cggacgcgtg 60

ggtcggattc tgtttgggaa aagaagcttc cggagaatta tcaggatctg cttgatttat 120

tgccgccgga gaggtatcat agtctcncga agaaagatat cttcgctgtg ctttctcgtc 180

caattccttt tgatgatgat aataaggaag tatggattga tanagttaca ggacgagttt 240

gtatggcgat ttctgctaga ggaatgtcta ttactggaat tgaagaccgg agatattgga 300

actggattcc aacggaagaa tctaggttcc atgttgtagc ctacttacag cagatttggt 360

ggtttgaagt tgatggaaca gtgagattcc atctcccanc tggtgtanac tctctatcat 420

tcagaatcca tctagggaga ttcacaana 449

<210> 4743
<211> 457

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-B8

<400> 4743

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acagccttta ctttaaacta acactctcaa gatgcgtgaa attgttcata tccaagctgg 120

tcaatgtggt aaccaaattg gtgccaaatt ttgggaagtc atctgtgatg aacatggtgt 180

agacccaact ggtacatatc atggagattc agatcttcaa ttagaacgta ttaacgttta 240

ttacaatgaa gcaactggtg gacgttatgt tccccgtgct attttgatgg atttggaacc 300

tggtactatg gactcagtcc gtgccggtcc attcggtcaa atcttccgtc ctgataactt 360

tgtctttgga caatctgggg ctgggtaaca attgggctaa aggtcactac actgaaggtg 420

ctgaacttat tgattcagta cttgatgttg tccgcaa 457

<210> 4744
<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-B9

<400> 4744

gatgatgtat acattgcacc tgctcaggtt gttactcaag ctgcttttgt accggaagct 60

ccattaacca ccacagatta tccagcaatg ccagttgctt agagagcctt ttcgttttct 120

ggtttaaaac ccaatgggga tggttctttt tttgggacag tactagtttt ctcatgttat 180

tctaagttaa tacttaaagt tctggaggtt gaattacatc aaggatatga atgtatgttt 240

ttcgttatct tttgtttaaa ttttatttat ctattaacga tttgtctttt tttaattaga 300

aaatttgtgt ttatcgaaaa aaaaaaaaaa aagggcg 337

<210> 4745
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-C11

<400> 4745

gaaactccat tcgcacgcca cggtcataca atcccgggcc gacccacgcg tcnanggacg 60

cgtgggtttc tctatcttta actcccttca cacctctccc tctctcttct tcatatctct 120

ctctgtcaca atagtgtgat gatgcaatga gaatggagtt gatttcagtg attttcttct 180

tcttttgctc tgttttgagt tcctctgctt taaactctga tgggttggtt ttgatgaagt 240

ttaaatcctc tgttcttgtt gatcctctgt ctttattaca gacatggaat tacaaacacg 300

aaagtccatg ttcttgcaga ggaatctctt gtaataacga ttctaaagtc ttaactttgt 360

ctcttcccaa ttctcagctt cttggttcga ttccttctga tttgggttct ctcttaacac 420

ttcaaagtct cgatctttcc aataaatcct tcaatggg 458

<210> 4746
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-C12

<400> 4746

caatcgtttc aatttctaaa attctcctct ctcaacgcaa tcaccaaatc caaatttagg 60

gtttcttttc tctttctgcg atcgatctct gaaaactcat aactgttgtt taatcgtgaa 120

gatggcatca aacggatctt tctctgctca gagaaacgca aacgctagaa caacgatgaa 180

gagaagaagc gacaatcgcg gttacggtgg cggaatcgga ggttatcaag aggagacgaa 240

ccgttacgcg ccgccgcaaa aacgtttcag atcacaagcg caacagcaat tccgatctgg 300

tcataatcct ctgtatcatc atcatggtag taataataat aacgtgtcta nggtttcctc 360

tcaatcatat aacaattgcg gtgttgatgt gaatgcttca aatc 404

<210> 4747
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-A10

<400> 4747

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cctactcatc gcatctacaa gcatgagtgt tgcatctcct tcgatactcc gagatccgaa 180

ggaggattgt tcgttgatat gaatagtttt cttgctttcg ggaaggatta tgtttcttgg 240

aactatgaga agactggaaa ccctgtttat cttcatatta agcagactag gaagtctatt 300

cccgaggatc ggcctctcaa gaaaccgact ctgctcgcta taggtgttga tggaggcttt 360

gataacaatg agccagagta cgaagagtct tatagcataa gtcatacttc cggattttgt 420

ttcactcccg tttccctccg gttgagctaa ca 452

<210> 4748
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-F9

<400> 4748

gcttctgttc ccaaaaccgg aaactttact tcgtggaatt ttcccttgtt tctgaaatgg 60

aagacacaac atttaccaaa gtgttcgttg gaggattagc ttgggaaaca cacaaagtct 120

ctctcaggaa ttactttgaa cagtttggtg acattgttga agctgtcgtt atcactgata 180

aatctagtgg tagatctaaa ggctatggct ttgttacttt ttgtgatccg gaagcagctc 240

agaaagcttg tgtagatcca gctcctgtta ttgatggaag aagagctaat tgtaatcttg 300

ctgcttttgg tgttcagaga tccaaacctt cttctccnat tcatggacat gtaggaggaa 360

gaggcatgaa ggtgactanc cctttcaaga cacactttgg gaccgcggct acngcnatcc 420

ttccccactt ccatt 435

<210> 4749
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G10

<400> 4749

ttttttttt tttggagtta gaatgctatg aattccaaac cagagaagat tcaaataaaa 60

cagagactaa aaaggctgtt caaacagtaa taantcttgc acatgaacac taaaccanaa 120

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggnagc tacgggaagc 180

aagtaatact acatagggnn gnnattccag tgcttaatga tgaaacatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaan tggctgcagt cattccgcaa 300

gcataaggag attgacttct cagaancaac atcaactttg cgcaaaggag caaggnnacc 360

aggagatggg ganctctcan tgctacgcct ttcatgagan atcccccct 408

<210> 4750
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G2

<400> 4750

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ccctcgtttc aatctccgtt ttgctttgcc tatcagataa atttcttctt gctttccttt 120

ctatctcata acgataagtt gaattaatct ttgcgtctta gttcatcagt agagagagta 180

gggtttttc cgcttatttt tagggaattt cattttgttg gaggtgagaa tctctattcg 240

agtccccaag attctcttta tatccctagt ttagttgtat ggttgggttt tgattggaat 300

atcaaggggt agtttttagc taggttcact gatacttgga agatctgagt tctttgggat 360

tctgttaagt ttgtggagat ctaaaagaca cgaaatttgt agaaatctgg ttgatatccc 420

anactttaaa aggaataagg gtanatccna tagaatttga ngcgggtttt ggaaaaattt 480

tt 482

<210> 4751
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G3

<400> 4751

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tgcgtccttc tgaggctgga agcgatgacc atgacagcat ttctcgcgag acggnttatc 120

ggtaacggat cnagccanat tctcgggacn tcnagttcta gctccggtcc gttcatttcc 180

gtttctaggg ctttcttctc ctcctccact ccgatcaaag ctactctctt tcccggtgat 240

gggatcggtc ccgaaatcgc ngaatctgtc aagcaggtgt ttactgccgc tgatgtggtt 300

antgattggg acgaacagtt tgttggtact gaagtanatc ctanaaccaa tantttcttg 360

acatgggata atcttcaatc tgtgcctaan aacaaggttg gtttgaaang accaatggct 420

actccaantg gaa 433

<210> 4752
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G5

<400> 4752

cgctctttaa gacatgatcc ttacagattt cttgataaga aatcacctag atcaagtcaa 60

ttggcaagag atatcactgt gagagcagat ctttcaggag ctgcaacccc tgactcttct 120

tttcctgaac cagtgcagag attaagttga gctcaagact canagggata ttcttttgtg 180

ttgttgctgg catttcggct acttttctca ttgtcctgat gattattggg catccgttcg 240

tccttctctt cgatccctat aggagaaaat tccaccactt cattgctaaa ctttgggctt 300

ccataagcat ttatccgttt tacaaaatca acatcgaagg gtttggagaa tctgccatca 360

tcagacactc ctgctgtata tgttcaaacc ancaaaagtt tcctggatat ccctnaaacc 420

aa 422

<210> 4753
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G7

<400> 4753

cgtccgccca cgcgtccgcc cacgcgtccg taagtagtaa ccacattttt ctcgctttgc 60

cgtcttctcc ggcgattttc agacactaat tttctctccg gttgttgcaa tcatattttc 120

tgtcggaaga tattgaaatc agaaaccggg aaaaatgact tcgtttctta gtttctccgc 180

catttcagct catccaccta ctttttccgg cgcttcattt cgtcctcgct ctttctctcc 240

ccgattgttc aagtcttgtg ttaagtgcac ttatgctgaa gctggattaa gcagcgcttc 300

atggtcagcc cctattgaca ttgtggcaga tgtcaaatcc gaaagggttg tagttcttgg 360

tgggaatggt tcgttggctc agctatctgc aaagcancaa tctccaatgg gttaaanttt 420

ttg 423

<210> 4754
<211> 168
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-G9

<400> 4754

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atccttaaca aacgtcttca aatcaaccca ccagagattt ccatatcnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngggcg 168

<210> 4755
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H10

<400> 4755

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ggaagccacc gcaattgaag acaaattgca gcgtggtgtc cctgaagcaa tagaatcttt 120

gaggattgca gggataaaag tctgggtctt gactggtgac aaccaagaaa ctgccatatc 180

cattggcttc tcatcnaggc ttctgacaag aaacatgagg caaattgtaa taaatagcaa 240

ctcgttggat tcatgtccga aggagcttan aagaagcaaa tgccaatatt gcaagtaatg 300

acgaaaagtg ataatgtggg ccttgattaa tgacggtacc aanctcatat atgtactcca 360

caatgattct tgaagatgtg ctgttccaag gtggcaatgn taagtgcccc tgcnaaaaac 420

tccngctgcc ggggttgcnc cctttcca 448

<210> 4756
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H12

<400> 4756

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ttcgcatgct taaactctga gagaagaaga tgactatgac ggaggagaaa ccaacttccg 120

acgggaaagg angttggggt ttccttcaag attcaatttc gtaactcaag cgggtcacan 180

gaaacgccgc tttaaattgc tggctaactn ctnccggttt tcaatcctng ggangctncc 240

tcctccttcc aacttccntc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnttggg gtaataaacn ggtcctcaac 360

ggtgaatggg attngggtca aaaaatcaac aatccggact cccttctccc ttcaagtttc 420

atccggttgg ctaagtcctt tccntnccta actaaaacga aagatttgaa gccttgatcc 480

cttccngaga aaactc 496

<210> 4757
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H2

<400> 4757

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taaaactaat aaagaagaag aagaaaacag agcaattaaa gtccttaaat cttcttcttc 120

tccaattcaa tggctcttcc gttgccattg atcttcctta tcttctctca tttgttcgtt 180

tctggagtta gatcaacgag cttcattatg gngaacaaat gcgaatacac agtctggcct 240

ggacttttat caaacgccgg agttccacca cttccgacga ccggattcgt tctccaaaaa 300

ggcgaagaac gaacaatcag cgctccaact tcatggggag gaagattctg ggggagaact 360

caatgttcca ncgacancga cggaaaantc acttgtctca acggngattg cggatttggt 420

aacctcgaat gctccnggtt cnggagcaac accaacaagc aacaactaac cgggaaattt 480

ttccccaa 488

<210> 4758
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H3

<400> 4758

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acacaacttc tggagtttga gtctcgggtt gatgctgcgt taactagaaa gaaagttgac 120

atccaggaag cccttaaaaa ccctccctgc atacagaaga ctcttaggat ctacgttttc 180

aactcgtttg ctaaccaaaa caacacgatc cctgggaatc ctaatgctga cccgccaaca 240

tggactctta aaattattgg taggatactg gaagatgggg tggatcccga ccagccaggg 300

tttgttcaga aagcaaaccc attgcatccc aaattctcgt ctttcttcaa aagggttaca 360

gtttccctgg atcagaggct gtatcctgag aacccattga tcatatggga gaatgctcga 420

ttaacctggc tcctcaaggg aaggctttga naataaaaga nggaaaggga atccagggag 480

ttttttttt tgcc 494

<210> 4759
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H4

<400> 4759

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gacccaaagg acacgtttgt gtcgatgtgg acttttgctc acaaggagag atcacaacaa 180

ggaccagtgg ttagcattga ggaagctttt gataagtact gtcaaggttt atcagcttac 240

ggtccttatc ttgatcatgt tttagggtat tggaaagctt accaagcaaa cccggatcag 300

attttgtttc tcaagtatga gacaatgaga gctgatccat tgccttatgt gaagagatta 360

gctgagttat gggttatggg ttcacgaaag gaggaagaag aaggaaatgt tgttgagaaa 420

gtantgaaac ctttgtacct ttgagacttt gaanaanctt gaanctaacc aaaaaaaggg 480

g 481

<210> 4760
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-H8

<400> 4760

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tatgagcgcg tttccaccgt acggagaaac tttcttccac cacccaaccg gtcgtttctc 120

tgacggtcgc ctcatcattg acttcatcgg tacttctctt tatttatgtg taaattgact 180

gttttggcgc agttttgtta ggttaaattt acataaaagc attctaattt tgtgtgttct 240

gttcactgaa ttcttaggtt tcttatgtca aatctttctc tgtttttcta ttttcttgaa 300

cagcaagtta acattgtgaa acctcaagtg atgctccaaa tttggttttc ctttgcagct 360

gaaattttgg gggcttccnt aangtgcctc ctaacttcgg atcaacaaat gggaaaaaaa 420

ccccnt 426

<210> 4761
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-A1

<400> 4761

gattcggtgg ccaatacgca tcgcttatga gagaaatcac tgagaaatct gtaagcggtg 60

gatttttaag agttacggca gtggtggcgg aggagtgcgc cgtagagacg cgactagtga 120

aagaaaacct aactcaattc gcggcggaga tgaaaattcg tttccagatt gagtttgtgc 180

tgatgaagac ttttgagatg ttatctttca aagcgattag gtttgttgag gaggagctta 240

catcggaact ccctcaccgt ttctcggcaa aaaaactcaa acctttctct ctaacttcac 300

cgattttgag ttttaaacca acggttaagc tcaattccag ttgtcgcgct caattgatcg 360

atacggttca caatctcttc atcggagttg gagttggact tccatgtacg ggtaatggat 420

gtggtgataa gata 434

<210> 4762
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-024-Q1-E1-F8

<400> 4762

gcccacgcgt ccgggaactg tgagagaatc caaataacga agcctactat tactccacct 60

acgccttttg tgttcttctc tccaagaccg gtcaccgagc ttgatgcagc tgcaactacg 120

ttacagaagg tgtacaagag ttacagaaca agaaggaact tagcggattg cgcggttgtt 180

gttgaggagc tctggtggaa gactctggat gctgcagctt taaatttgag ctcagtcgcc 240

ttctttgaag aagagaaaca tgaaaccgcg gtttcgaagt gggcacgagc taggacacga 300

gctgctaagg ttggaaaagg attgtcaaaa gatgaaaaag ctcaaaagtt agctcttcag 360

cattggcttg aagctattga cccacgccat cgttatggcc acaacttgca cttctaatta 420

aa 422

<210> 4763
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-D11

<400> 4763

gtctgatgaa gagagattta tcacagacgc agagagagat ggttctggct ccgttcttgg 60

ctttcagctc actcctcctg gtgatcaaca aacagttagc actagcacag gagaaattac 120

acatcatgaa gagaagaaag aggctattga tcaaattgta atggctgact ttggcgtacc 180

tggaaataga gctgttgaag aaggagctgc agaggttggg attccgagtg gaaaagctga 240

agttgtagtg tttgatgacg cggtgcacag tttccggaac gtattccaga accaagttga 300

gataaagctc atctttttcg gttgtagaga agaaacaatg tttcaaagac acaacatttg 360

gatggtcaag tagcctcatt gtttgaagct cacgattctt gtacctccga tcttgtagaa 420

ctttct 426

<210> 4764
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-D12

<400> 4764

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atatgatccg gagctccgtt tagttttcga gctcgctacc gattccgagt tatatgagct 120

tgagaaaatc ctttttggtc ccagctactt cagccctttg ctgaaatcaa tcccaaacaa 180

aggaggaggt gaccggctta tgataggcca agacattgaa gtgcgagatg gttttatcga 240

agctcttgaa tcgagattct tgtttctagc tgcagatgct cgttcaacac tcaggggttg 300

gaggccttca tacagaaacg ttttacttgc ggtgagaaat aatttgaata ttccctgctc 360

caaccaantg ccaaccgaaa gacctagaag cagagatttt tccttaacct gtcgacaant 420

tccccgaagt 430

<210> 4765
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-D2

<400> 4765

ggaaaaaaga gactactaaa aatcataatg aggccgacac caaaagtaga aatctggaag 60

tcaccagtac catatctctt tggtggtctc tttttgcttg ttttgcttat agctttggca 120

ttactctcat tggtctgcac acaccaaaaa ccttcttcct ctagcaataa caatcatatg 180

gatgaagaag acgatgtcgg tgacaaggac gctaagccta ttacaagaga gtacttacct 240

aagatcgtgg tgattttggc cggagacaat aaacctactt gcttggctgt tccggtcgtg 300

gttcctccac ccacttccat ttttcgttgt aactgtgaca atgttactgt catctcaacc 360

taaccattaa catcttttc ctcctttgcc gacagaaaga ttaagagatt tcgacttttg 420

taataatcaa cggcaatttt gtaacaatcg ata 453

<210> 4766
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-D9

<400> 4766

gctttcgacg acgagtgaag aagaaagcga gacgaagaag caaagatgtt cagaaaccaa 60

tacgacacag atgttacgac atggagtcca acaggtcgtt tattccaagt ggaatacgcc 120

atggaagcag tgaagcaagg atctgcagca attggactca gatctcgttc tcatgtcgtt 180

ctcgcttgtg ttaacaaagc tcaatcggag ctttcttcgc atcagaggaa gatctttaaa 240

gtcgatgacc atatcggtgt tgcaatcgct ggtctcacag ccgacggtcg tgtattgtct 300

cggtatatga gatcggaatc gattaatcac tcttttactt atgagtctcc tcttcctgtt 360

ggtcgtctcg ttgttcatct tgctgataaa gctcangtct gtacccaacg atnatgggaa 420

acgaccctat ggt 433

<210> 4767
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-E11

<400> 4767

gcaaaactga atcaaacccc atggcattta cttttcctcc ttcgtatcgc acgctagtcg 60

ggttatatta tatatttaca cttatgcaca cggctgtctc aacaccaccc gatgatcctg 120

tcaaatgtgt gtcaggaaac acgaactgta cagtcactaa ctcatacgga gccttcccag 180

acaggtccac atgtcgagcc gccaacgtgg catacccaaa aactgaagcc gagcttgtct 240

ctgtcgtggc tgcagccact caagccggac ggaaaatgcg tgtaacaact cgatattccc 300

atagcattac taagctcgtg tgtaccgacg gaaccgaagg tttgttcata agcacaaagt 360

ttctaaacca tacggtacaa gccgatgcaa cagccatgac catgacggtt gagagtggca 420

tgacgcttan g 431

<210> 4768
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-E4

<400> 4768

gcaaaaccca aatctttctt cctcaaagac tctgtttttt ctttcttcct ttcttcaatg 60

gcgttatcga aaaacagtaa cagtaacagc tttaacaaga agaaagtttc gtatatctca 120

gtcccttctc agatcataaa ctctttatca tcttcctcat tacaatctct tcttgtttct 180

cccaagaaat catcaagaag caccaacaga ttcagcttct cttataggaa ccctagaatc 240

tggttcttta ctctcttcct cgtctcactc tttggaatgt tgaaactcgg tttcaacgtt 300

gacccaatct ctctcccttt ctcacgttac ccttgttcaa cgacccaaca accactaagc 360

ttcgacggag aacaaaacgc tgcatcccat cttggtttgg ccaagagccg atttgtctac 420

tgggtcatcg aattcgaatg cgaatataca a 451

<210> 4769
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-F1

<400> 4769

gggagaagag tggtaccgaa gagagtgagg ttgaagagaa gaaagacaat ggtagtagcg 60

aagagagtga ggttgaagag aagaaagaaa acagaggtat agacgagagc gaggagagta 120

aagagaaaga tatagatgag aaagcgaata ttgaagaggc aagagagaat aattacaagg 180

gagatgatgc ttctagtgag gtagttcatg agtctgagga gaagactagt gagtcggaga 240

acagtgagaa agtggaagac aagtcgggta taaagactga agaagtggaa gattctgtta 300

tcaagagtgt tttgcctaac acaacagata atggggaaag cagtagtgat gagaagagta 360

ctggttcgtc ttcaggtcat gaatccggat tccttggagg gaataaaatc tganggtgaa 420

tctatggaga agaatgagtt gttggagaan ggat 454

<210> 4770
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-F11

<400> 4770

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ttattagatt atcgtgatgg ccttagctaa agagttaatg ggttatcctc tcatcacaga 120

aaggtcatca cttgtctcgt cggcgtcgca tttcaagaag aggacacagt caacacagtt 180

ctcgatcaac ccttttgacc ggagaccaag aaaaaccaaa tccggcgtcg ttgcagccat 240

cagcgaggat ttggtcaaaa cgctgcgttt ttccacaacg accggagaca gaaagagcga 300

agaggaggag aaagcggcgg tgaagttcaa ggtgagagct gtggttactg tgaggaacaa 360

gaacaaggag gatttgaaag agactcttgt taagcatttg gatgcttttg ctgataaaat 420

tggtcgaaac a 431

<210> 4771
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-F12

<400> 4771

gcnagcggac aactgttgta attcactgca attccatgaa gtcgggagca tcagccgcgt 60

cgccaacggc gaaaagcttc aattttggat cttccagact cttagccttg gcgcagcagc 120

tgcgtgtata caagccgccg ctttcgtcat ccttcgacga gagggaagag ctgcttgcgt 180

acaaggaaag caccaggaaa tcgataaccc acgttgggtt tcaggaatct atggctccgg 240

tgaggttcag accgaagaaa gctgctgtct tgatatgtct cttcgaagga gacgatggtg 300

atttgcgtgt gattcttact aagaggtctt ccacattgtc tactcactca ggagaagttt 360

ctttgccaag gtggtaaagc agaagaacat gataaggatg atgggattac tgcaactaag 420

agangc 426

<210> 4772
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-F4

<400> 4772

ggatttattg tttttggaaa taatcaaaac ttaaaaacta tcagaatggg aacgttctta 60

ggacactttg tgcctggtct ctcacttgct cttcttggtc tttggcatct cttcaacacc 120

ataagatctt actgtcttaa aggccctgaa gctttctctg caaaattctg gttccctttc 180

cctaaactca aacatcttga gcttatcttg attctcttct tctccttcct ctccatcact 240

ctcctcaccc tagatttccc taatttcaac ttctcctctc tcaaaccaga caacctagaa 300

catgcttcca tgttcctcca cctcattatc tttgcgtgtt tcgctctctt ctgcgaacta 360

acccttttgct canatntcct ctccggtcta atcggagttc ttctgcctct gtctcgctca 420

agaactcctc cttcctcant ttcaatccac 450

<210> 4773
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-F9

<400> 4773

actgtttacg ccgnccgtac cggtccnaaa attcccgggn anaaattgga cagaacatat 60

caagcatgta atatacagaa gccgacaaat tgcaaaattt acctaaaccc catcttacac 120

caccgtcaga ttctgatgta agtattatca aagctcaaga acaatcacat catcagaatc 180

taacttatat atcaaaggtc cagaattttc tccattgaag ctggattcta aggaaagtta 240

tcaaaagttt tgagagcttt ggatagtgaa gctcaaagaa ctaaacaatg ggcttcagag 300

tttgtgttat tgtcgtcttc ttgggttgtc ttcttctagt ccctgagaaa acaatggctc 360

aagaaatgaa acgtgcatcg atcgttatcc aaggagctcg acgagtttgt gagaccgatg 420

agaactttgt ctgtgcgaca ttggactggt ggcctcatga caagtgcaac tatgaccaat 480

gtcc 484

<210> 4774
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-G12

<400> 4774

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ctgtaaaaat caaagctttt tggaatcttt cttcggcgag atatttcttc accggcgcaa 120

gcttctcttg agcgtgattc atcactgggt ttgcattttt tcctggtggg tattcttcaa 180

attgttcaaa gctccgacct tttcttcctt agaatctgat tactggaatc ttgaagctgg 240

agagactcga gtttatatgg tttcaagcat cgttgagtca gagggatgat gtgaaagtgc 300

tagagaatgt gaatatggtt gtagataata acaattacaa gacgcagatt gagtttgcgg 360

gatnatcagt tgctgcttct tcgaatccat ctacaaacac tcagcaagaa aaatcagaat 420

cttgtacaga g 431

<210> 4775
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-G2

<400> 4775

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atacttttag caaggctcta gcaaatgcta gagatgttga atttgaccgc tcagatgtgg 120

agggaaatgc ccaccctgct ggtccacatg ttcggatacc atttgcttca ctatttgata 180

ctctcggcat gtttttagct gatgagggcg ccgtcttgct cctctactca ttgttgcaag 240

ggaattccga ctttaaggag tatgtgttgg tgcgaactga tttggatact ttgttgatgc 300

ccatcctgga gacgctgtat aacgcttcaa agagaacatc atctaatcaa atatacatga 360

tgctaattgt acttctcata cttagtcagg attcatcctt caattcaagc attcacaaga 420

tgatactgcc aancgtgcca anggtacaag gacc 454

<210> 4776
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-G3

<400> 4776

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caaggtgctg tgttgggttt gtctattcaa tacactccaa tggaaagaat gagactttac 120

caaatgggtg ttggttctgg taatgagtgt gtaggagttc ccggtacata cttccctttg 180

aggaaaggcg gtagggttac tctgtatcag gatgctcatg ttgatgacgg tactcttccg 240

agtgtacatc ttgatggtgg gattcagtat agacatggaa agtgctggga ggatatggct 300

gatgcaataa ggcaggcaag aaggttgatt tatatcacag gttggtcagt tttccatccg 360

gttangctgg ttcgtcgtac caatgatccc accgaaggta cattaaggga gttgcttaaa 420

gtcaaatctc aagaangtgt taaaatgttg 450

<210> 4777
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-D10

<400> 4777

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aagtttccga tatggctcgc tcgtttggag ctaacagtac cgttgtgttg gcgatcatct 120

tcttcggatg tttatttgcg ttgtcctctg caatagaaga ggctacgaag ttaggatcag 180

tgatagggat agatcttggt actacttact cttgtgttgg tgtttacaag aatggtcatg 240

tcgaaattat tgccaatgac caaggaaacc gtattacacc ttcatgggtt ggttttactg 300

actctgaaag actcattggt gaggctgcta agaatcaagc agctgttaat ncagaganga 360

ctgtcttcga cgttaagaga ttgatcgggg cgaaaatttg aggatnagga ggttcaaaaa 420

gggatagga 429

<210> 4778
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H10

<400> 4778

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cgtgggcttt ttatcaaaat tctctctttt tcccaaaaag attcacaaat ttgttgtagt 120

ctcgccgtta agatggcgcc ggcgacggag catcagagct cgttcttgag tcgactaagc 180

cgtcgcaatc aagtggtttc caaggaggtt aaccacgagc aagagcaaag aagaactcga 240

agattttcaa aaacacgtag ctgaacgttt cgcggagctc ttacaacgtc ggattcgccg 300

gaatcttacc cgatcttcga ttcatggcta aggaanttct tgagtttcag tcaaagaatc 360

ggngttcatc gttttaaaac gaatcgtcca aattcgaaac cccgttggaa anttgtccgg 420

aatgctgatg ggtgtaagcc tgaattgtc 449

<210> 4779
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H11

<400> 4779

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tctcacgacc aagtcgttcc tcccctaccg tcacgctcct cgccgtccaa tctctttctc 120

ccctgtcttc gccgttcatt cgactgaccc caagaaatct acccaatcag cctccgcttc 180

ggttaaatgg agtctagaga gttggaagtc gaagaaagct ttgcaattgc cggattatcc 240

tgatcagaag gatgttgatt cggttctaca gacgctttct tcttttcctc ctaaagtttt 300

cgctggtgag gctaggaaac tagaaggata agcttggcaa ancggcnatg ggtcaagcct 360

taangcttna aggnggtaat tgtgctaaaa gtttcangga atttaaggca ataacattag 420

ggancctt 428

<210> 4780
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H12

<400> 4780

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tgatgcaggg gggaagttgt actcaataat ggagatatgt cggctttttg atcaaatatc 120

caaagagcat cttgatggan tgcgtgctgg tggtgaaaaa gtgtacaacg tgtttgataa 180

ccagcttcct gcggctctga agagactcca atttgacaag cagctagcga tggacaacat 240

ccggaagctg gtcactgagg ctgatggtta ccagcctcac ttgattgcnc ctgagcaagg 300

ttaccgtcgt ctcattgagt cttcnattgt ccccatcaaa ggccctgctg aagcatctgt 360

tgacaccgtt caangctatc ctaaaggatt cnggntcana antccgngaa attaaancgg 420

tgggaactaa aacaaatacc caacctctga aaattggagg tgncaaaatg cggcgaataa 480

aant 484

<210> 4781
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H5

<400> 4781

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cttttgcctt caatagttat taccagaaga atccaatccc tagtagttgc aattttgatg 120

gaactgctat cactatcagt gctgacccaa gtttaggttc atgccacttt ccatctacaa 180

gcacgagtga atcgatattg aacgtaacaa gtgaagatgg attagggctt ttcgggagaa 240

taccatctca tccaactccc aagcctgaag cttcaacctc ctcctcaaga actttgatct 300

catttctcta cttcctttgc ttttgtgttt tatatccact tgttataacc ttaacatagt 360

catgtaatat ataataggca actttttcta ggctaattca agacgataag ttttttcaaa 420

aaanggttac 430

<210> 4782
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H6

<400> 4782

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actatatttg gctttgatct tctcttgcgt ttatctgatt tgcctgtcaa gtcaacaaga 120

aaccgggttt gtctacaatg gcttcgagca agcagatctt tttattgatg ggatcgccaa 180

aatactacct gatgggcttt tgcagttgac aaatactaca gagttgcaaa tgggtcatgc 240

tttcttcaag aagccgtttg attttgatcc atcttcatca ctatcgttct atacacattt 300

tgtgtgtgcg cttgtgcctc ctaagttggg agctgatggt ggccatggga ttgtctttgt 360

tgtatctcct tccattgatc tctctcatgc atacgcaact cagtacttgg gggtcctcaa 420

caacttaaca aatggggact cctctcanat c 451

<210> 4783
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H7

<400> 4783

catcctcctc acatggacac acgtctctct cacgctgact cagcccaccc cgacgagcta 60

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gacaggttga ggagtattgc tggtaggatt cagacagtgg taggtgatct agcaactcaa 180

ggagaaaggc ttcagtctct gctaagctgg cgtgatccgc gtgcaacagc gctcttcgtc 240

ttgttctgct tgattgccgc agtcattctc tatgtgacac ctttccaggt tgtggctctt 300

tgtattggga tctatggcct gagacatccg anggtcagat acaaactacc aatcccgttc 360

ctctcaattt cctcaagaaa ggcttcctgc aagaaactga ttggatgctc tgacctgcaa 420

aaaactgctt ccaataccga nga 443

<210> 4784
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-A11

<400> 4784

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aaaacagtga gatgtgttcg gtggggttat gaggttaata cctcttctga tgcttgcatc 120

gacgcaatta actcctattt tcaacaggtt cttagttatg ggaggaagag gaaagtgatt 180

ctagaagcac cactctacga taaagattgt gttttgggca gcattttagc tgctcatttc 240

ctttcttcat ctgatccttc tagagctaat tcctatgttg aagctgcggc atctaatctc 300

gaacaatcta caccttatga gaaagcggtt tacgaggctg ttacttacct aatctctgag 360

gatagggatg acgacttggc ttttgaaatg cacaccaagc tacttaaaag attcccaaag 420

gacttgg 427

<210> 4785
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-A9

<400> 4785

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agtggactct tcttagagta agatgggagg tgtgacttct tcaatggcgg cgaagttggc 180

gtttttttcct ccgaatccgc cgtcgtacaa gctggtcaga gatgaaacaa cggagctttt 240

tctaatgagc ccttttcccc atcgagaaaa tgtcgacatt ttgcggctgc ccacgcgccg 300

aggcaccgaa atcgtggcca tgtacatcag atacccaatg gccgtcacca cccttctcta 360

ctctcatgga aatgctgccg acatcggtca gatgtatgag ctcttcatcg agctcagtat 420

tcacctccgc gtcaatttg 439

<210> 4786
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-B1

<400> 4786

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gagcaggaac tatgcagcga aagagattaa gtttggtgtt gaagctcgag ctttgatgct 120

taagggtgtt gaagatcttg ctatgctgtt aaagtcacca tgggtcccaa gggacgtaat 180

gttgtgattg agcaaagttg gggtgctcct aaagtgacaa aagatggtgt tactgttgcc 240

aaaagtattg agttcaaaga caaaattaag aacgttggtg ctaatcttgt gaagcangtt 300

gcaaatgcta ctaatgatgt tgctggtgat ggtactactt gtgctactgt cctcacccgg 360

gctatatttg cccaaaggat gcaaaatcag ttgccgcaag aatgaatgca atgggacttg 420

ccaaaaagta ttccatggca nttgat 446

<210> 4787
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-B9

<400> 4787

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncaatc gaactctgta 120

tacaactctt tcctcaagtg tttctccgac aagacgaaat ctccacaatc ccaaatcact 180

gacaatgtct tctctcagac aaaccctgct ttctcctccg ttcttcgtgc ttacatccgc 240

aatgcgaggt tcaacacttc ctctactctt aaacccacca tcataatcac tcctcgctcc 300

gagagccacg tcagcgccgc cgtcacttgc tcaaaaaccc taaatttcct cctcaaaatc 360

cgaagcggcg gccatgacta cgatggtctc tcttacattt ccgacaaacc atttttcatc 420

ctcgacatg 429

<210> 4788
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-C1

<400> 4788

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aatcaacagc agattagctc ttgtgatgaa gagtggaaag tacactcttg gatacaagtc 120

tgttctcaaa tcccttcgca gctccaaagg taagctgata ttgatatcta gcaattgccc 180

accgttgaga aggtcagaga ttgaatacta tgcgatgctt gctaaagttg gagttcatcg 240

ctacaatggc aacaatgttg atttgggtac tgcttgtggt aaatacttcc gagtttcttg 300

cctcagcatc gttgatcctg gtgattccga catcatcaag acacttcctg gagatcagtg 360

attctgattt tgatgatttt gccatgttgt tctctatgct tgattatgct ttgtgttctt 420

caaagactaa tgttanattt c 441

<210> 4789
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-C11

<400> 4789

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ccacgcgtcc gcncggatct ccatcattcc cctgacaacg tctatggatc acctttgagt 120

ggggtgtcat ctcttgccta tgatgaagct ggagtcaaga gtaagattcg ggaacttgag 180

gtctcgctgc tgagtggtga tacaaaagtt gaagaattct caggttttag ccccgctgct 240

gggaagtcgt ggaactggga tgaacttttg gctttgactc cacagttgga cttgaaagag 300

gtgctggtgg aggctgctcg ggcagtcgct gatggggatt tcgctacagc gtatggattc 360

cttgatgtct tggaacagat ggtgtcagtc tcaggcagtc cgatccaacg gctaggcact 420

tacatggcaa gaagggctta gagcgaggct tgaggggtct gggaacaata tatacaaatc 480

cttgaaatgc aatgaaccaa cgg 503

<210> 4790
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-C5

<400> 4790

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tgctatccgc cgccgtagct ttgctcttcg tagccgccgt cgccggaatc tctgcnggag 120

cttcaaaagc caacgaaaaa cgaactcnan ccccgtcgtc tcacgccgtg ctaagatcct 180

catgcagctc cacgcgttac cctgagctct gtatctctgc cgtggtaact gncggcggcg 240

tcgagctaan gtcgcaaaaa gatgtcatcg aggcatcngt gaacctaaca ataaccgccg 300

tggagcacaa ttacttcacc gtgaagaagc tgatcaagaa gagganagga ctgacgccgc 360

gcganaagac ggggcttcat gacngtttgg agactattga ngagacnctg gacgacctca 420

ttaaacggtg ggaagatttc catttgtntc caa 453

<210> 4791
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-D1

<400> 4791

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atttgatgga tcgccttctt ctgttgccgc cactcaacaa cattcgatga gatttgggat 120

cgaccatcaa caggttaaga agaaacgagg tagacctagg aagtannnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctcctactt cgcctcttcc 240

ttctgcttct aattcttacn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn aactcttccg atccacctgc taaacggaac agaggacgtc ctcctggctc 360

cggtaagaag cagctcgatg ctttangagg aacagganga gttgggttca cgcctcatgt 420

cattgaggtt aaaacaggag aagacatag 449

<210> 4792
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-H1

<400> 4792

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gcgaaatcat caagacaaga agaaagaagg agttttagat ctggtactga aacgaccttt 120

acggtggcta agaatgctca tcgaagagct tcactggagc ttcttcttcg gtgtgattat 180

cgtctatgga gttagccaag gacttggtaa aggtctcagc aaagtcagca cacagtacta 240

cttcaaagac gagcagaaga tacaaccctc tcaagctcag atttacgttg gtttgattca 300

gattccttgg attattaaac ctctccgggg aatggttgac tgatgttgtc ccaagttttg 360

ggttacaagg agacgaaccc tatttcaaat taanccggtt tttcctgcta tgattctcca 420

atgatgggtg ttatgggctt cacaacgnat cctgcatcct tgcaactggg cnttgtccct 480

g 481

<210> 4793
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-F11

<400> 4793

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tctgtgatgg ctctttccaa cgcctcctct ctctccacca gatctatcta cggcggtgat 120

ctttctcacc gtccaagcaa ccgtcaatca tccttcacat ttcatcccgc cgtcaacacc 180

aagcctaaat ccgttaacct cgtcacggct gtacacgcgg ctgagccagc tagaaacgct 240

gtttcagtca aagaatccgt ttgcgtcttc ttcgtctggg tgcattgaaa tggactccaa 300

gagaagctgg gaaactgaag aaaggntcct ggcaaacttt ctggattaac cctaaaggcc 360

aattgaagcc ttgaagtcct ggtggcctaa aaaacgaata agaagggctt tttcctcccg 420

aaatggtggt ttcggcccgg agaaagccta agggaatcct tggaaagaag aanaatttgg 480

gttgaatgc 489

<210> 4794
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-F2

<400> 4794

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caccacagga ggaacgatct ccgtcgcttg acgattgcct taagctattg aaaggggaga 120

gagacganca gaggctcgcc ggtctacttc tcgtcaccaa attctgtaag aacgatgaca 180

tcgtttctct caacaaggtc tacgaagccg ttggtactca ctttctcgac cgtcttttcc 240

gtactggtag tggcantggc gatggggttg ataatcgtga tgtgtatctg canatatcta 300

tcactgttct tgctgcattc tgccgtgttc cgggagatag cttcttcaga agagatggtc 360

tccagaattc cccttattct ccaannntaat gtccaaagga ataactacaa aacatgctcc 420

aagattgcta agaaccttct gtattggngt caacggc 457

<210> 4795
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-F5

<400> 4795

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tcctcagagt gtgagttcaa atcatggctg gagaggatta agatttgtgt atgataaagt 120

taggattggg gaagagagat tgagagtctc aaggtgtgag agttttcttg agatttttgt 180

tagagaagga tgtgagatgg tggagatgag tgttactgat catgataagt ttgctgctga 240

atcacagttt ataactcata ctcttggtag gcttttgggg atgttgaagt tgatatcgac 300

gccgattaat acgaaagggt acgaggcgtt gcttgattta gctgagaata tttgtgggga 360

tagttttgat ttgtattatg ggttgtttgt gtataataac aactctttgg aggtgttaga 420

gaagattgat ttggcttcga ngcttgcgta aggaccttt 459

<210> 4796
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-F6

<400> 4796

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ttgagtggtc atgtctgctc ctatctattc tccgatagat atgcaagaga ttgttcaaaa 120

tcctcctggg tttgatacgg aaccagtccc aatcagtact taccgagaca atgaacctgt 180

cccgctttca acttaccgag aaaatgattc agatcatctc gacgccactc agcaagagaa 240

cgatgacttt tgggaaaacg gtttcagtag ggaagaggcc attgaagatc cagagccttc 300

tcaggcaaag gaaaatggaa agagaagtgt agacaacagc gctttcactc atggggaaac 360

tgatctcaat caacttcctg cgattcctcc ggtttcaact gggtcaaggt ttgccgtatg 420

cccctgttga ttggncaaac cctgggtgan gttatggact tggaga 466

<210> 4797
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-F8

<400> 4797

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aagctgtgtt gcaattgagc attcacgagg aaagaatcag gaagaaagcg tttgtcaccg 120

tttctcgatg tccaggtgtt acttcgataa caatggatga caaaaccggg aaaatgacag 180

tagttggtga agttgatgta ccggttatcg tgatgaagct aaggaagcta tgtaacacag 240

agcttgtttc ggttgaagtt gttaaaccac ctgagaaaaa gcctgaacca gagaaaccgg 300

ctccacctaa accagctcca gctccagcta aaccggctga attgttgcc tggccggttc 360

agatgaacaa cccttaacaa tacaatcctg cctatgcaaa ttcttactaa caaccatatg 420

gggaactcta gatttgtaac ggacgaatcn aattgtgtga atta 464

<210> 4798
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-022-Q1-E1-G1

<400> 4798

ttcttcattg ctaaaaactc tcactttctg caatttcgtc tgcttgtttc actcacaaga 60

atttcacatt tttttcaaaa ataaacactg cttaatgcgg attggttgtt cacaaaagga 120

ccaaaaaatc gtagaagttt ggattgattt cactatggag gaagtagcag ctaaggttga 180

ggaagaaact gtggaaacca atgtagatgc agtgaaagag gacaatgcaa ctatagctaa 240

tgaaagcaga agcccagaga gtgtttctgc agtgtctgtg gtgtcaaatc gagctgcttc 300

tactaaaaag aaaccagtta ttagttcgaa tttaataaag ccaactgcgt cttcttcatt 360

acgggtctcg ggtactacgc ctgtgactat caaggagaaa taatactgga gggagttaca 420

agagaattaa ctggtactcc taaaggtctg cctaaacaaa tg 462

<210> 4799
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G10

<400> 4799

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agaaggattc caagctgcta aagatttttt gtcaagattt ttaatttaag tttcctggag 120

gaggagatca cagatcttct tttcatatga agagatcttt ccttctcttg tatgtgctcc 180

tggtacaggc cttctatggg gcttggtgta ntgttggaga aagcctgcat tgtgaatatt 240

ccaatttagc gagtcttcac cggcctcaca gcgtatcgat tacagagttt ggancggttg 300

ganatggtgt gactctaaac actaaagcct ttcanaatgc tctgttctac ctcaattcct 360

ttctccgaan aaagggcggg ggccaaacct ttttgttccc gcctgggcca antgggctta 420

accggggagt ttccgacccn taaacnagtc cacctcancc cttaangggc tnagaataaa 480

agggggggcaa acc 493

<210> 4800
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G2

<400> 4800

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ggtattaagg gtttaacgaa gcttttagcc gacaatgcgc ctagttgtat gaaagaacag 120

aaattcgaga gctattttgg tcggaaaatc gctgttgatg ctagcatgag catttaccaa 180

ttcctcattg ttgttggaag aactgggact gaaatgctca ctaatgaagc tggtgaagtc 240

actagtcatt tacaagggat gtttaatcga acgattcgtc ttcttgaagc tggaattaag 300

cctgtctatg ttttcgatgg gaagcccccg gagttaaaga gacaggaact ggctaaacgt 360

tactccaaga gagctgatgc aactgcagat ttgactgggt gcaattgang caagaaacaa 420

aggaagacan ttgagaa 437

<210> 4801
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G3

<400> 4801

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tttaaccctt gatcatcacc gattcaatca attcggaatc acaatttcaa atcgagagaa 120

tttcaatttc tcttgtaaaa ccctaaatta tgtacagcaa tttcaaggaa caagcgatcg 180

agtacgtgaa gcaagcggtt catgaagaca atgctgggaa ttacaataaa gctttccctc 240

tatacatgaa cgcgcttgag tacttcaaaa ctcatctcaa gtatgagaag aaccctaaga 300

tcagagaagc tattacccag aaattcaccg agtatctccg tcgtgctgag gagatccgtg 360

ctgttctcga tgaaggtgga tngggtccag gatctaacgg tgatgcaacc gtcgcaacga 420

aggccaaaac taagcctaaa ggatggagaa agtggtggta aagaaggg 468

<210> 4802
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G5

<400> 4802

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aacaatggcc aaaaccagag ggtcttgttg tctcgtcaac gctctaatcg ctatagcttt 120

tttggcgaca gcccatttgt gtgaagctgg cttgtctcag aaagaacagg acaaggtctc 180

gaaattgcct ggtcagaatt ttaatgttag ttttgctcac tactctgggt ttgttgctac 240

taatgagcaa ttgggaagag ctctctttta ctggttattt gaagccgttg aagatgctaa 300

gtctaagcct cttgttctct ggctcaatgg aggaccagga tgttcatctg ttgcatatgg 360

tgaagcagaa gagataggac catttcacat taaggcagat gggaagactc cttaccttaa 420

tcaatattcc tgggnaccaa agctgnaaat aatttggtc 459

<210> 4803
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G6

<400> 4803

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gattgggcag tgaagatgca acactttccc aatggtaaga gtactcttta caatttttag 120

atttgtgttg tcacacatat tgaaatatat atatggtata tttggacgaa aaaaaaaaaa 180

aaagggcggc cgctctagag gatccaagct tacgtacgcg tgcatgcgac gtcatagctc 240

ttctatagtg tcacctaaat tcaattcact ggccgtcgtt ttacaacgtc ntgactggga 300

aaacctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc caactggcgt 360

aatagcgaag aggcccgcaa ccgatngccc ttcccaacan ttgcgcaanc ctgaatgggc 420

naaatgggaa ncngccctgg taaccggngc aatta 455

<210> 4804
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G7

<400> 4804

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cgccgtgatt cttggttttg gtgctttctt tgccgtcttc acatcttttt tggtatggtt 180

agaaaaacga tatgtgggag ctcgtcatac atcggaatgg ttcaatacag cgggaagaaa 240

cgttaagaca ggacttattg caagtgtcat tgtatcacag tggacatggg ctgcgaccat 300

actgcanagt tcaaacgtag catggcagta tggggttagt gggaccgttt tgggtacgct 360

agtggagcca ccatacaagt gctgttgttt ggtgtgatgg cgantgagat aaa 413

<210> 4805
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G8

<400> 4805

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ggaagtaaga gaagaaatct tcatgatgaa acagatcaaa atgttattgc ttcagaagac 180

actgtatacc gctacttgtg tcccgtgaaa aagaccggga gcattatcgg gaaaggcggc 240

gagattgcta agcagataag gtctgagact aaatcaaaca tgaggataaa cgaggcttta 300

cctgggttgt gaaggagcgt gttgttacca tgtanttcca ctaactgagg agttgaatca 360

ttttgggaga tgatggtgaa ccttgtntgt cccgcctt 398

<210> 4806
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-G9

<400> 4806

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caaatctgtg agctattttt tcattcttgg ttttctcngt tttggcaaat tttggaggaa 120

aggaatctga acaggaaaca agaatggncg tggtcgattg gcttggtttg ggattaggct 180

ctgttgctgg agctttggtc tcggaaggtc tgaaagtttt gatttcagag gcaaagaagg 240

tgttagcttt caaatctgtg tctaacgagc tcgcatcgac gatggagtca ttgcttccgg 300

tgatcaaaga gatcgaatcg atgcaagatg gtatggaact acaagatctt aaaagacacg 360

atcgataaag ctcttttact ggttgagaaa tgttcacatg tcgagaantg gatataatcc 420

tgaaatccga agtacaccag aaaaantnag ggaatcaata ggaagatgcn cca 473

<210> 4807
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E9

<400> 4807

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gagagatgga ggaatataga cttggagagc tgagacactt gctgacaacg gttttcctgt 120

cgggattctc cgagttcttg gtgaagccag tgatgactga cgtcaccgtc gccgcggttt 180

gctccggcct aaacgaaaca tgttctctcg ccgtctatct caccggagta gaacaagtga 240

cggtaggact ggggacaatg gtaatgatgc cggtgatcgg gaatctatcc gatagatatg 300

ggaatcaaaa cattactcac tcctccgatg gtgcctcctc caatcctcct ccaaacgata 360

attancgtta tanaaaggga tacgaaattc cttccnacgc gttttacaat aacccaagat 420

tccaatcnga naatggcccg gccaaaggga ccgttn 456

<210> 4808
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C12

<400> 4808

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agccttttgc atgggaaagc aaagaatttt tgaggaaact ttgcatagga aaggaggttg 180

cattcaaagt ggattacaag gtggaagcta ttgctggaag agaatttggc tctgttttcc 240

ttggcaacga gaatcttgct aagcttgttg ttaaaactgg ttgggcaaag gttagggagc 300

caggtcagca gaatcaggac aaggttagtc cttacattaa agagttgcta cagcttgaag 360

agctggccaa gcaggaagga tatggtcgtt ggagcaaggt tcctggtgct gctgaagcat 420

ctatcagaaa tcctcctcct tctgcaatgg ggaa 454

<210> 4809
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C2

<400> 4809

gtaccggccc gaaaattccc ggannccncc cacgcgtccg cgcaaggact ccaggatcat 60

ttccaccaaa gcatcatatg ccagtgattg actcttctcc aaaacttaag cctagaaacg 120

acagaatttc accttctcct gctgctaaac atgaggctga agaggcgatg tcagttaagc 180

gtaggcaaag aacacctcct actttgccaa gaagaacgtc tttgatagcg caccagtcga 240

gacaactagg agcagatatt tcaaatatgg cagcaaagga aaccgcgaag ctacatccat 300

ctgtgccatc agagtctgaa actaattctc atcaatctcg tgttcatgct tctcctgtga 360

gtacgacgcc agagccaaag agaacctctg ttggatctgc caaaggaatg cagagtgaaa 420

gcagcaactc tatctcgtcg tcgttgtcca tgcangcatt gagctctgtg atgatgcttc 480

caccccatat attga 495

<210> 4810
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C5

<400> 4810

tccgcanacg cgtccgcgca gagtcacaac aatgacattc accttccttc tccaatcacc 60

accactccca atttctccat ctcctcctca attctctctt tcctcttctc ctttatcaaa 120

aacgcagcga ttcatcactc caagccaggg ctctcgtcta cggactttgt gtaccaaagt 180

catcatacca aacatgcaag attcaggatc accaccactc tcttatctta ctcagcgaga 240

agccgctgag attgatgaga ccttgatggg tcctcttggt ttctccattg atcagctcat 300

ggaattggct ggtcttagtg tggcagcttc aattgctgag gtttataaac cggaagaata 360

tagccgggtt ctagctatct gtggtcctgg gaacaatggt ggtgatggtt tggtggcngc 420

gaagcatttg cancactttg ggatataaac cgttt 455

<210> 4811
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C6

<400> 4811

gcctgnccgt aacggtccga aagttcccgg gnccacccac acgtccgcnc acgcgtccga 60

gacgacgaag tcgagagaaa gaaataatgg cggaggagac gatggagaac gaagagaggg 120

tgaagctgtt cgtcggacaa gttccgaagc acatgacgga gattcagctc ctcacattgt 180

ttcgagaatt ctccatcgtc aatgaagtca acatcattaa agagaagaca acacgagctc 240

ctcgaggatg ttgttttctg acatgtccta caagggaaga tgctgacaag gtgatcaata 300

gttttcataa caagaagaca ttgcctgggg catctagtcc gttgcaagtt aagtatgcan 360

atggcgagtt ggaaagacta gatgttcttg actgttcgtg caatccagag cacaaacttt 420

tccgtccngt aaggcttcca aangaatgtc tctgaaacct gaagtccagt cccntantcc 480

tctgaatacg ggaccattaa gggtt 505

<210> 4812
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C7

<400> 4812

tttgnaacgc ttacgcctgn ccgtaacggt ccganaattc ccgggnccac ccacncgtcc 60

ggaagctttt agtatttttt tcaacaatcg cttttttttt tctcgatctc cgtgaagctc 120

tcgaatctct ggttttgagt tttggagaat ggtgtttttc cgcagcgtat cggcctttac 180

taggctgagg tctcgcgtcg gccaacaatc ttcactcagc aattctgtca gatggattca 240

gatgcagagc tctaccgacc tggacctgaa gtcgcagctg caagagttaa ttccggaaca 300

gcaggaccgt ctgaagaaac tgaagtcaga acatgggaag gtccaactgg gaaacatcac 360

tgttgatatg gttattgngt ggaatgagan ggatgactgg attgctttgg gaaaanctca 420

ttgcttgacc cggaagaagg gtattcccct ttangggatt gtccgattcc tgaagtgcca 480

agaaagtatt acctactgcc caatctggaa ctgaaacc 518

<210> 4813
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C8

<400> 4813

taacggtcca naattcccgg gncnacccac gcgtccggga gtctccaacg ccttcctcct 60

cattctccac tctcacacca ccaacttctg attccagatc tcaacgatgc aaagctccgc 120

cgtattctcc ctctctccgt cgcttcctct cctaaaacca cgtcggctct ctctccgcca 180

ccatcccata accaccgccg cttcttcaag cgatctaaac gtttctccaa atgttgtctc 240

tattccttct ttatctcgtc gatcttggcg tctcgcttcg tctgattcgc ctctccgtgc 300

ttggtccggt gttccttctc cgatctctca ctccttagac acgaatcgtt tcagaaccgc 360

cgctactgca gttcctgaaa gtgctgaaga aggtgataac agtggtaaat tgacgaangg 420

tttgggaact tggcttgttg gttcgctaag tggtaacttt tcaatatcta ctttaacaat 480

ctaacaaa 488

<210> 4814
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D10

<400> 4814

tttcttactg tnttcgcggc ggatacggtc anaggnctcc cgggncgacc cacgcgtccg 60

actaaacaaa agaccctagt tctctctctc tagttagccg ccgcaaanca gatcaantct 120

tcaaacgccg ttttgcctct ttggtggtcg gtttcggccg gcaccgtgag agggcctctc 180

ttctcttttt agtttttttt ttcctttgtg tcgatttttt ttagccggcg gcggctcctc 240

cttctttgtg gcttaatcaa tgagttttaa gtcgacggcg agcggnnata gttctctcag 300

atggaggttc gttggtagat ctacantggg gaactatgac tctcgacgac ggcaagcaga 360

tctggtggat ttcttcgtca gtctcntcgc ggaggtatct ctcctccgat gaacctcntt 420

ggtagtggtg gctcagtgtt aaganggtac agaggt 456

<210> 4815
<211> 458
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D11

<400> 4815

acgccgccgg aaccggtcca agnantcccg ggncgaccca cgcgtccggt cacaagaact 60

tcaagatgaa gagaaaccca cgtaaagtga aatggactaa agcattcaga gctgcacacg 120

ggaaggacat gactaaggat acaacatttg agtttgagaa gaagagaaac agacctgaga 180

gatacgacag gaacgttaca gagaatacac tcatggccat taagaagatt gctaagatca 240

gaaccgcaag ggaagccaaa catatcgaaa ataggttgaa gccaaacaag cagaagaaac 300

tcaatgacga tatgaaagaa cttgatcaga acattcatat ggtccaggct cccggggcac 360

agaagatcaa agttgatgtt tccgaaaaga agtctgttca aaacgaagcc atggaagagt 420

gattctgtgg taacaatatg atccgtctaa aagcctct 458

<210> 4816
<211> 362
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D12

<400> 4816

aatgtattcc aaacgccaac gccgnncagg naacggtcaa naantcccgg gtcgacccac 60

gcgtccnccc acncgtccgc ccacgcgtcc ggttttaggg aaacggctat gtcacagttg 120

aataattcgt ggttggtgca gactggtcaa tgagcagtga ttgtcaaagg atttgcactg 180

taaattattt atactctttg ggttttgatt atgaaaccct tatggatgat caanttanat 240

ttgttattaa tacagaacat tttttaggaa tttggattgg tgatataaat gtaaataana 300

tggtcaannt tggttggtta tantgatttg tttaatcaaa naanaaaaan naaaaaaggg 360

cg 362

<210> 4817
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D2

<400> 4817

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ncatagacga caagatctcg cagctggtga atncagctcc agggataccg cgtcttggag 120

ttccggcgta cgaatggtgg tcagaagctt tacacggcgt ancctacgcc ggtccaggaa 180

tccggtttaa cggnacggtt aaagctgcta ccanctttcc tcaagtcatc ttgaccgctg 240

cttcantcga ctcctatgaa tggttccgca ttgctcaagt tatatgaaag gaagcaagag 300

gagtgtacaa cgcaaggcaa gcgaatggaa tgacattttg ggcaccaaan attaacatat 360

ttaggagatt caccggtggg gaaaaaggca atnanactcc ccggcgaagg attcgattan 420

taaccggnac ttacncnggg gnntaagtta taggactaca aggtgacnct tttgacgtcc 480

ggnaaacact ccccaatcat c 501

<210> 4818
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D3

<400> 4818

accggcccga naattcccgg anccacccac gcgtccgtca tgtcttcaag atgacttctc 60

ttttcttctt tgttctcctt ttctcgtctc ttctcataag caatggcgat gccaacccaa 120

attacaaaga agctctctcc aagtcattgc tcttcttcca aggtcagcga tctggtcctc 180

ttcctagagg ccaacaaatt tcctggaggg ctagctctgg cctttccgat ggctctgctg 240

ctcatgtgga cttaaccggc gggtactatg acgcaggaga caacgtcaag ttcaatttac 300

caatggcgtt taccaccaca atgctctcat ggagcgcact ggaatacggt aaacggatgg 360

gtcctgagct gggaaaatgc acgtgtgaac atccgttggg ccacagatta tctgctgaaa 420

tgtgccagag ccacgccggg gaagctttat gtcggtgtag gagattctaa tgttgatnac 480

aaatgctggg gaacg 495

<210> 4819

<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D4

<400> 4819

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atcaacgcaa cgccgaagaa gctttttcag gggtttggtg cgttgaattt gtggatcaag 120

aaacaatgca aattcaatgc aaaaccctaa cttttacagt ttcttcgatt ccttgtaacc 180

caaagctacc attcccatct tccctcactt tacggtcatg gaatccttca ttcccgagtt 240

tcaggagctc cgctgtttcc ggaccaaagt catcactgaa gctgaacagg tttttaagaa 300

actgtgcaag tacgaatcag gagcttgttg ttgatggaga aaccggaaat gggtcgattt 360

cggagctcca aggagatgca gcaaatggtt cgatttcgcc ggtggaagtg gaagcagaag 420

tagaagaagt gaaggtagat gatttggcga ctcagagcat ttggggacaa gatgaaagag 480

atcgtcatgt ttaccggacc tgccgcggga ttgtg 515

<210> 4820
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D5

<400> 4820

aacggtccan aatcccgggn ccacccacnc gtccggagtg agagagtcca tcgnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag agaaagagat 120

cttcacaaat atgactgtga tgaatcaccg acacaagcaa tgtcattttc tcctcctcct 180

tctgatcact gtcttctctg ccgcgttgga tggtgtttct tccgagacag acgtcggagg 240

gtttgactac ggtgaagcat tgtctaaaag cttactctac tttgaagctc agagatcagg 300

aagacttccg tacaaacaag cgcgttgact tgggcgttat taacccnggn cccaaccgat 360

gggccttgaa acaaaggggg ttnganttaa gtggggaagg atatcacgaa cgcccggaga 420

aacaagttta aaatttggga ctttccgaat nggcntttaa cggngaacaa atgttgtcat 480

gggagtgtta ataaaattac ngggga 506

<210> 4821
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-021-Q1-E1-C11

<400> 4821

gaccagctat gctctccgtc gcaagacgtc tcggttcggc gacgccgtcg cttcaaaacg 60

gagcttcctt actccggttc atgagaacgg aggcaagtca gccaagacgg cggaacaaat 120

ttccctctct atcgccactc aagaagaaag aggagaaatc agagtggtgg atcgtcgacg 180

gagagatgca cgagatcgga gatcacgtac ctctgcgtga gcgtttcaca atcccgagag 240

acaatatccc caataagcgc cggaaacagc tccgtgagca gttcatgcga cgaactcgtc 300

tcgttcttaa agaatcggag catgagccat ggtgcaagaa gtacatggaa ttgtataatg 360

aggttagaga aaactgggag aggctttatt gggatgaagg atattcta 408

<210> 4822
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H5

<400> 4822

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tttcagacct tcttcagctt cacttgattt acgaccaaag gttatttgca cgaatctctc 120

tacgaaagag cggtttgagt ttcagaagaa gagtgtgagg aaagaaagga tcaatgttag 180

gttttatagc ttgaaggcta aggcacaang atcgtcaatt gaagggatta gtgttgtaca 240

agagaaagag cttaacaaca aaaccgatta tggaagttgt tgggggttca tcatgtccgt 300

ctgctctgcg agaanctana acggtcactc cgaagtttta acaagnacat tttanggcct 360

tgaanatnaa cggaagcaaa ggctcancga caangcttcc atatanangg agcntggnta 420

aggggtangg gtcnagaaaa tgagtcngcc ttangggagg cttcaaagtn ccaaattca 479

<210> 4823
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H8

<400> 4823

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ttttttcttt tgtaatcact aaatgcttca aaagtttgtc cacaattata tttgaaaaaa 120

atgtctgtat ctgtagcagc agagcatgat tacataggtt tgtcagagtt tccaaccatg 180

gaagcaacaa caatgtctga caaaaccaaa accagagaca ataacaacgg tctcaatttc 240

aaggctaccg agttaagact cggtttaccc ggttctgagt cgccggagcg aagtcgactc 300

aagattcttg gctctcaaca agagtactgt cccgtgtcag gtgccaaaaa ggtgttctcc 360

gacgcattaa ccgactctaa caaatgggtc ctcnctcctg gattcaatac tgncnactgg 420

gtgatgtcgg tccgggtcct gggcccccgta accccggtcn tta 463

<210> 4824
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-021-Q1-E1-A10

<400> 4824

catctttgaa ggaaacagag tacatgttac agagcaatcg gaagacatga aaccgaccaa 60

gtccgaagaa gtgatgataa gccttgaaga tctggagaac aagaagaaca ttttcagaac 120

gttttctttc tctaaccatg agattgagaa cggtgtgtgg aaaagtaacc ttttcttggg 180

aaatttcgtg gaagatcttt ctcctgcaac atcagggtct gcaattacca gcgaggtttt 240

atctgcacct gctgctgttg agaattccga aactgcagat tcgtatttct cgtctttgga 300

caatattatc gatttcggac aggattggtt gtggtcgtag ctttgaataa ttgatttggt 360

gaatgtaatg tctctctctt aatggcagta att 393

<210> 4825
<211> 465
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-A12

<400> 4825

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cttttgattg aattgggctg gtaccgagcc acggntcctt aaacggcaac ttgttgacat 120

anttggttcg atgcttcana ttgcanangc tgattccctc nacgagagta cacgtcatct 180

tgcgattgag tttttggtta ctctggctna ggcgcgtnan cgtgcccctg cnatggtcag 240

gaagcttcct caagtttatt gacaggttgt ttgctgttct tatgaagatg ctcgaggata 300

ttgaggacta tcctgcttgg gaaaaccgct gaaactgang atganagatg ctggcgagac 360

aagcaaacta cagcatnggt cannagtgtt tggatcgttt aacaattttc cctggggaag 420

aaacaccatt gttccggttg catntcagca ntttttctgc ctaac 465

<210> 4826
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-A4

<400> 4826

aantgtctcg cctggtcgta ccggcccgan attcccgggg ccccccacgc gtccgcnaac 60

gcgtcngata atttacttct ttctttataa ctaccatatt ctcaatcaca acactcgcca 120

ctgtttcgaa tagatggctt ctatttcaac ccctttccg atttctctcc acccaaaaac 180

cgtacgatca aagccgttga aattccgagt tttgacccgt ccgatcaaag cttccgggtc 240

agaaactcct gatctaaccg tagcgacacg aaccggatcc aaagatctcc cgatccgaaa 300

cataccggga aactacggtt taccaatcgt aggaccaatc aaagaccgtt gggattactt 360

ttacgaccaa ggagctgaag agttcttcaa atcacgaatc cgtaaataca actccacggt 420

gtacagagtc aacatgccac cgggagcttt tatcgccgag aatccacaag tcgtggcttt 480

actcgacggt aaaagcttcc cggttttatt c 511

<210> 4827

<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B1

<400> 4827

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gggattaaaa gagttgaaaa tctccttgca tgtgtctctc ctctgctctg caacaaatgg 120

ttcccgaaac actcagcttt agctttcggt cacttgttaa gactgctaaa aaaaggacca 180

gtggattacc aacgagtcat attacttatg ctcaaggcat tgctccaaca cactcccatg 240

gatgcttcgc agagtcccca catgtacaca attgtttcac agctagtcga aagcactctg 300

tgttgggagg cattgagtgt tctcgaagct cttcttcaga gctgcagccc ggtacaaggg 360

ggcaccggtg gatcccaccc tcaggattcg agttactctg aaaacgggac tgatgagaaa 420

acgcttgtac ctcagacttc atttaaagcc cgaagcggac tcttcatacg caatgatggc 480

tgcaacaatg tcgca 495

<210> 4828
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-021-Q1-E1-B11

<400> 4828

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tgagagattt tctggatctg tgatacgttc caggaaacat ggcgacgatg aaaagtttga 180

taggtctgat aaacaaaatc cagagggcgt gtactgtcct cggagatcat ggcggtgaag 240

gaatgtcgct ttgggaagct ctcccaaccg tcgctgtcgt tggtggccag agttccggaa 300

aatcttcagt tctagaaagt gttgtgggaa gagattttct gcctcgtgga tctggtatcg 360

ttacaaggag gccattggtg ttgcaacttc ataagactga ag 402

<210> 4829
<211> 451

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B12

<400> 4829

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gggccaggca atggattctt agccatggcg gtgtgattta tattccttgt tggggaaaag 180

tttggctctc ggtacttgga atctatgatt ggtctggagt caacccgatg cctcccgaga 240

tttggttgct accttatttc ctaccaattc acctagggaa agcttttagc tatacccgga 300

taacatatat gcccatctct tatctatatg gcaaaaaatt cgtgggtcaa attacacctc 360

ttattatgca actacgtgaa gaactacact tacaacctta tgaagaaatc aactggaaca 420

aagcgcgaca tctaagcgca aaaggaanac a 451

<210> 4830
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B3

<400> 4830

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tttcagacat aacatctctt cccatctctc tcccctctaa gcaattaagc agacangaca 120

ctgatgatat gagacgaaga gaaagaagtc ttatcactca tcctttcctc ttatgaatct 180

ctccgccgac caagctcccg tcaccgccgt cgacgaacta gctccgcctt ctcaaccgca 240

tcgcttatct acatcangtg atctccaccc agaagagcgt ttctccggtt tctgtccttc 300

ttgtctttgc gacngcctct ccgtcttaga tnanaangcc gctccgccac cgtcttcttc 360

ttcccggaaa cctcnctcta nctccgctgt ttcgttaaaa gctctcttca agccctcctc 420

tagtggtaac aaacaactcc aacggnnaan nggtcggggt cagacccggg ttttctcccc 480

ggaggctccg aagttacaaa agtccctttt ccgcanag 518

<210> 4831
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B4

<400> 4831

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agctcggcgc ttgatctcgc tatctctcag agagctgaga gctgaggata ttggaaattt 180

ggaaggtgga atctcaaatg gctgaacttc ctggtcaaat aagacatata ggcggtcgaa 240

tgagtcaact gctagagcag atatatgggt tttcgagaag atctttgttt cgggtcatat 300

ctatgggtcc tataccttgt catattgcct ttatcatgga tggaaatcgg agatatgcaa 360

agaagtgtgg tcttttagat gggtctggtc acaaagcggg gttttctgcg cttatgtcga 420

tgctgcaata ctgctacgag ctgggtat 448

<210> 4832
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B5

<400> 4832

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aaagaaggcg gaaaacatag tcgctctttt aaataataaa gagaaaatct cagaaatcag 180

agacaaagca gtagcaaatc gtaacaagta tgttggcctc tcatcaacgg gaataacata 240

taaatctggt tcctcagctt catttggtgg tagttttcaa agtggttcaa gcaattttga 300

cagctacaag gatagagatt ccagagaaga caagaatgac tacgagtctt ttcaaaagtc 360

aagacgtggt gttaaaactg aggagcaaag ctacacttct aagaagagtt tttcacgcta 420

tggcagcacg gaccatgaca atctatccag tggtaaaaag tcacccgatt ctgccaaaac 480

ataggtcata tgtatctgca gctcct 506

<210> 4833
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-B8

<400> 4833

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attcttcatc gaatagtcga aaaatatttg aactttctta ggaaaccaaa ccaacaaaac 120

aaaaaggaaa acgagataat ggtgttacct tggagatcaa gaggaggagt agcaaagaga 180

cgtaatcaat tgatttccgg cgatatctcc gtcgtggaaa ccaagattcc agttcaactc 240

cgatcgccat caaggataga gcggattcag tcaccgcgcg tgctgttgac gccgcgtgat 300

gcggtggaga taagtcggag attgcaaaac gcancggcgc gtgaggagta tgccgagtgt 360

ttggagattg tgagcaaaat caagaacttg ggaaagaaga aggggacacg aancaagaag 420

tgtttggtcc aaaaacggaa gcgttttggc tttgtctcct ggttttgaaa gattcgcggc 480

ggcgccntga tggacacat 499

<210> 4834
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-C10

<400> 4834

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tcgcaactag agaagctaat tccattgaag ttaaggtggg gataattttt ggttttagna 180

natactaatg gctggagtac tanctgggga atgttcttac agtgagagtg gnntttcatc 240

anactcaang aattcccatg aaaagcaaga anaggtttcc cgctggtatt ttggaagana 300

agaaatagaa gagaattcac cgtcaangtt ggatggtant gacttaaaga aggaaacata 360

cctccgcana tcctactgta catttttgca ngacttgggc atganattga aagttcccca 420

ngttncaata tcnacagcga taatcctct 449

<210> 4835
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H4

<400> 4835

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cttcttttaa caagaaacca ccgctctgta caaaacaaag tctccgtcgt ttcttctccg 120

ttctccggtc aattcgaatt cctcagagag aaatttgtgc tcgcgagttc cgcgtgaaat 180

acatggaaat gttggcggcg ttggactcgc gttcttctct ccatcttcat cgttccatgt 240

ctcgcgttga ccttttttgcc ggtgttcgta tgaaaccatc tcctacaagt cctgttccga 300

atacgcctcg aatatgtggg aagtaaactc tgttgattcg actcttcctc ctccctttaa 360

gtaattcctc cgtttgnttt tcctttgcaa ccggaatttc caagattcaa atccgaaagc 420

tgtgaattaa cctggtaanc gtcctggtgt tagtcctaat ttaagggaag tggattcttt 480

cccgggggaa agaaattaa 499

<210> 4836
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F5

<400> 4836

ggnttctcat tgttcctttg ttagacttat ccatttcaca ttccatttaa actaagagat 60

tggattaaat tttcagagga atggttcgaa ggcaagcgac aacaacagac tgtaccctgc 120

tcacagggag acattctcag ccacagacga agaanaaaag attcttcaaa tcgacaggaa 180

acacatcagt tcttacacaa gacgcaacag accagacatg ttctactcat cccacctcat 240

cctagacaat gctggcctgt ctgaaccagt tttcgccacg ccttttagcc cgtcctcgtc 300

gcatgaagag attacaagcc agttttgcac tgcaagagaa cagtcctcaa gtttatactc 360

agctacttct anaaagcaaa cgcagtggct ttaaccgcta nttctaatag ncacngagcg 420

antgcncaaa aagctgctgt gatggtgaca tccaaanc 458

<210> 4837
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F6

<400> 4837

catttttac ggccngccgg taccggtaag aaaattcccg gggtcnaccc acgcgtccgc 60

ccacgcgtcc gcggacgcgt gggttgcaat ggcttccttc acaacaactt cttcttcctc 120

gcttctcctc aaaactcttc tccccgtaag ccacctgaat cgtttctcta cactctctgg 180

tatccgcgtt ggcgattcat ggactcctct gctccggaac atctccaccg ctgggtctcg 240

gcgtcgagtg gcgattgtga aagctgcgac ggtggattcg gattactcgt cgaaacggag 300

caatagcaat gagcagagag agacgattat gcttcctggg ttgcgattac aatcattggc 360

tcattgtaat ggagtttcct aaagatcnag cggccaaagt agggattaag atgatttgat 420

acttacctta aacaactccn tgctactggt ccttgggaan caatgggnan nanggcgaaa 480

gaangaaaca atgtntggca anttcaagtn accaacgaac att 523

<210> 4838
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F9

<400> 4838

ttctcttctt cttctccaaa ttgatggctt tttaaggttt ccccactcga tctaatctaa 60

cctaacgctc cttcattaac tttcttcaga cagattacaa taacgtgtaa tatacaagac 120

acagaaacat cattgattcc gatctcaagt tttgtctttt tgatttcata tacacagata 180

catagataac aaacacacat ctttgatcaa atgtctggac tttggagatt gaggaatcta 240

aagtctctag ctttacatgc tcgttcgatt tcacctgttt ccaatcttta ttctctggaa 300

ttaggatcat gccctcgtcg tcgtattcaa gaacgattca aatcggaaca aagnggcgga 360

ngaagaagag gagatgattt ccggttccgg tgactcntcc ggaagttaag agcaagagcc 420

gaantgtcct ccgttgctca a 441

<210> 4839
<211> 550
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-G1

<400> 4839

aactgttttt cctgcccgcc ancgggtccg aaaaancccg gggtccaccc acgcgtccgc 60

agaagggtta catggtagga aatgggctga tggacgattt ccatgacagg cttggtcttt 120

tccaatatat ttggtcgttg ggttttatat ctgaccaaac atacagctta ctgcaacttc 180

aatgcggttt cgaatcgttt attcactcct ccaaacagtg taacaagatt ctggagatag 240

cggacaaaga aataggtaac atagaccaat acagtgtctt caccccagct tgtgttgcca 300

atgcttccca gtcaaatatg ttgctaaaga aaagacctat gactaacccg cgtgagcgaa 360

cagtatgatt ccttgtacgg gagaaacaca ctacaattta attcaatcct tccaagaagg 420

gttcaaaaaa gccctccaat gttccaacca aggaacttgc aacaatccaa aaatggggat 480

aacttgcaat tgatggtcct tgaantgaac aactgggaat tgactcctcc cttcctccgg 540

gtttctaaaa 550

<210> 4840
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-G12

<400> 4840

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atgttcgctt cacgagctta tcaacttcaa gaatgcggtc caaatttgtt tcanccaatt 120

atagaaaaat ctcaatccgg gcatgttctc aggttggtgc tgctgantct gatgatccag 180

tgctggatag aattgcccgg ttccaaaatg cttgctggag atttcttaga ccccatacaa 240

tccncggaac agctttacga tccactgcct tggtgacaan agctttgata cagaacactc 300

atttgatcaa atggngtctt gtactaaagg cactttcagg tcctcctgct cctaattggt 360

gggaatgggt atatantccg tatcantcag atttacgaca ttgggatcna caaagtgaac 420

aaaccatact tgccaataac aacag 445

<210> 4841
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-G2

<400> 4841

ctgtttattc tgnccgccac cggtccgaaa cancccgggt ccacccacgc gtccgcaaaa 60

ccactcccac tttatttctt cttctctggt tttcttacca aaagaaactt tcttcgtctt 120

cctctgtatt taagctttaa caccctgttt ttggtttcca acgttcaatc ttcatcttct 180

tctcgctgaa ggtgtgtttg gctctaacgg tttaaagctt tcttgaaaca ccaattgaat 240

cttttctctc taccggcaaa aaaaaaaaga ttagtccttt taggtctgga aacgccaaga 300

tcactcgttc taaaccttag attttgtctg catttcggga taatcatttc atcgtcaggg 360

ttcttcaacc aaactacatt tacagaagaa gaagaaagaa agaaaaagtt ccgttaactt 420

ttaagcgttt ggntaaacaa aactcaaagt tcctcctcaa tacatcgatn ctgatttcca 480

anattaaacn tcgaaaagag aaaaaagcct ctttaaatga 520

<210> 4842
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-G4

<400> 4842

tttcgnccgc cacggtccan acacccgggn ccnccacgcg tccgcacacg cgtccgagaa 60

gaagaagaaa gatggagaag aaatctcaga tttcgtcanc ggaagctgtt ttccttggag 120

ctctagctcc aggcgttaat ggtccaacat ggaacacatt gagattcgcg tttctgctac 180

tgggtctatg tctanctttc atgctctctg tagctttcac cagtggccaa tcantgttgc 240

ttgttcatgt tggctttctc attgttancg catctactct ctttatcctc ctcaattggt 300

ttcttgctca gacaggctta ctacaagtgg taacacagat gcaggagctg aatttgttac 360

cgtatgatca nnacaaatgg atcatgggca caaccnggtt gnangcaaga cgcttgtgtt 420

aacaagttca acaagttatc naccagatta tatccaagcc aaattatgaa nggactgggt 480

ttggtacaac caagaaggnt tca 503

<210> 4843
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-020-Q1-E1-G6

<400> 4843

acaactggca cgtctctctc cttcgctctc tcccttcttc tccccaacca gcaacgctgc 60

tctactctta ttcacgcgcc gttcatggct tctccgctcg tctctccccc atccaaaccg 120

ccgccctccg ccgtcatcct tcagtcatct ccgttatacc tgatcaagcg cgtgagatcc 180

acacaactca cacgcctgcc ttcctcggtt tctcccaaaa ctctggactc tggagcaact 240

caaattacgg ggaagacgtg atcgtcggcg ttttagatac tggaatctgg ccggaacatc 300

caagtttctc ggattcaggt ctcggtccaa ttccatctac ctggaaaggc gagtgcgaga 360

tcggacctga ttttcctgcc tcatcttgca atcggaagct tatcggagct cgaacgtttt 420

acagggatat taacgcaacg g 441

<210> 4844
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-G8

<400> 4844

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accaacaagg atgatgattt ctctcttaag gccattgatt ttggtctctc tgttttcttc 120

aaaccaggcc aaatattcaa ggatgttgtt ggaagtccat actatgttgc tcctgaggtt 180

cttctaacaa catccttgaa tatttggtct ctctgttttc ttcaaaccag gccaaatatt 240

caaggatgtt gttggaagtc catactatgt tgctcctgag gttcttctaa aacattatgg 300

tccagaagct gatgtgtgga ctgctggtgt tatactctat atcttactaa gtggtgtccc 360

gcctttctgg gcagaaacac agcaaggaat atttgatgct gtgttgaagg gatatattga 420

ctttgataca gacccgtggc ctgtcatatc cgacagtgct aaagatctga tccggaagat 480

gttatgctcc aatccttctg aacgtt 506

<210> 4845
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H10

<400> 4845

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tgctcccaga gataagcgtg ttgttagaga tgctactact gaggatgagc tttggtgggg 120

aaagggttcg ccgaatatcg aaatggatga acatactttc atggtgaaca gagaaagagc 180

tgttgattac ttgaattcct tggaaaaggt ctttgtcaat gaccaatact taaactggga 240

tccagagaac agaatcaaag tcaggattgt ctcagctaga gcttaccatt cattgttatg 300

cacaaacatg tgtatccgac aactcaagga ggagcttgag agctttggac tcccgnattt 360

acaatataca atgcctgggc aatttccaat gttaacgttt cactccanta caatgactcc 420

gccaacaacc gtagaccnta atcctggct 449

<210> 4846
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H12

<400> 4846

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gtttgagtct gaggcatcac aacagataaa gtcttgaact ttgatcaaga attctaaacg 120

gagtttttgc tcttctcgtc ggtgaaagaa aaatcgagat gggttcaact ccgttttgct 180

actctatcaa tccatctcca tcaaagcttg atttcacgag gacccatgtg tttaatcctg 240

tttctaaaca gttttactta agatttaaca accgtttccg gaaaacccgg aggaataacc 300

tgggtttaag anccgtccaa nctttgctcc gaantaaagg cggcnacggc gttaatttaa 360

aaaggnngaa naaananaaa aggcggttaa cgggnaagaa gaagaaatcc aagggtttta 420

attgcccgaa ggtggnaanc cganggattg ggggtttgcc ttaaccggcn aa 472

<210> 4847
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H2

<400> 4847

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taaagccaaa gaccaacatg tctaattcaa accaaccact tctttccaaa ccaaagtctc 120

ttaagcacaa gaatctatgc cttgtcctct ccttcgtagc cattcttggc tctgtggctt 180

tcttcacagc ccaattaatc tccgttaaca ccaacaataa tgatgattcc ttattaacta 240

cgagccagat ttgccatgga gctcacgacc aagactcatg ccaagctctc ttgtccgaat 300

tcacgacgtt gtcgctctca aagctcaacc gccttgacct attgcacgtg tttttgaaga 360

actcggtgtg gcggcttgag agcacgatga ccatggtgaa cgaaggctaa gattcgctcg 420

aacngtgtta agagacaaag gnaggttttg ctggactggc aaggagatga tgggccgtac 480

caaanggttc gggttg 496

<210> 4848
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-H3

<400> 4848

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atttctctct ctctcttttt tttagccatg gagaaatttg cgcctgtcgc tgctctgtta 120

ctgcttcttc tctgttttcc ggtagctttc tccggtcatg attatggtca agctctttcc 180

aagagtcttc tcttcttcga agctcagaga tctggtgttc ttcctcgtaa ccaaagagtc 240

acttggcgct ctcactccgg tctcaccgac ggcaaatcaa gcggcgtgaa tctgggtcgg 300

aggttactac gaacgcccgg gagacaatgt gaaaatttgg attaaccgat gggcttttaa 360

cgggtggaac gaatgaatgg gcgttgggaa gtgtgaattt gaagttacng gggaaattca 420

aattnacaaa ngcccaaacg gggcgaaanc cttggggaaa actccnaatt tgacggccaa 480

attaaaatng ggggggtaac cgggaattaa tttcaaa 517

<210> 4849
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F3

<400> 4849

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aagaaagaga aagagagggc agagacaaaa atttcttcgc cgtctgagtg ggaaagatgg 120

cggaggattt cgctagagcg gtagacgatg ggcttaaact cgcgaaacgg atttatttcg 180

gcaaagaccg agccgttgcg gcgccgagac cacctgctcc gatggacaga tcttccacta 240

cgcagcctta ccttcctaca gcacctatgg tttacgccgt tatacccgac ccgggaattg 300

tggataaccc ggatttgcct agctatcagc ctcacttgca acggaaggtg caaccaaccg 360

gctttgatcc ccccggaaga tgaattcaat tganctgggc ttgaatggta accccaanac 420

ggtcctggtt aacggtcacc ggntcntggc gggttcattg ggttaang 468

<210> 4850
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-019-Q1-E1-F10

<400> 4850

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cgtcagcctg gattggttga cgaggctttg acagaaatga gtggaagcca gttgagtttc 120

tctagtgtcg tagatggagt gtttggactt cagaaagtga catctgctct tatgtcaatt 180

gatggacatg gnttanttcc caaaaatctc tctgctgtta ccggccatgg aaaagctcca 240

atgttgacta gctatcattc aaattccttg tataatcgac agggtccctt acaatctaac 300

tcttaaaata tgttatcatc tccccctggg aaaggttcaa ctatgaagaa gatanccatc 360

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tcccctganc aggcc 435

<210> 4851
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-F12

<400> 4851

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caacacattt cttcgctgga catccccgtt attgatctaa gtaatcccga tgaagagctt 120

gtggcaagtg cggtggtcaa agcgagccaa gagtggggaa tatttcaggt ggttaaccac 180

ggaatcccga ccgagctgat actgcggttg ctacaagtgg gaatggagtt tttcgagcta 240

ccggagacag agaaggaagc cgtagcgaag ccagaagact ccttggacat agaaggatac 300

agaaccaagt accagaaaga tctagaaggt agaaacgcat gggtggatca tctctttcac 360

cgcatctggc caccgtctag agtcaatcac aaattctggc ctaagaatcc tccagaatac 420

attgaagtga atgaagagta cgcaagtcac ataaagaa 458

<210> 4852
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-019-Q1-E1-F3

<400> 4852

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tgtcaacgcg tggttccatc ttcaattttg tttctatttt agcagaagtt tctcgagctt 120

caaatactgt ttcagatcaa tcaatcagtc aatcatggct agctctggaa acaagaacat 180

caacgccaaa ttggtattac taggagatgt tggagctgga aaatcaagtc ttgtgctacg 240

gtttgtgaaa gatcagtttg ttgaatttca ggaatcaacc attggtgcag ctttttttctc 300

tcaaacattg gctgtgaatg atgcgactgt gaagttttga gatatgggat acanntggtc 360

aaggaacgat accacaagtt gggctccaat ngtactacaa gggtgcaanc tgctgcaata 420

attggccttt gcaattacta atcaaanctc aatttgaaag ggcgaagaa 469

<210> 4853
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-F5

<400> 4853

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cccacgggaa gcgccaatct ctttctccgg cctctcatcc tcgccgttct ctcctttctt 120

cttctctctt cattcgtctc ctctgttgag tggctcgata tcgattcctc agatctcaaa 180

gctcttcagg tcatcgaaac agagctcgga gtcaacagtc aacgttcttc ggccagtgat 240

gtcaaccctt gcggtcgccg aggagttttc tgcgagagac ggcactctgc caccaccgga 300

gaatacgttc tccgtgtcac gaggctcgtc taccgatcca ggagcttgac ggggactatc 360

tctccggtca tcggaatgtt gtcggagctc aagggaactt actttgtcct aaataaccag 420

tttggtcaac gctgttcccg gtgggatatc cttaagcctg ttaagcaaac nttgaaagtt 480

tcctggatnc ttcgggaaaa taagnatttt c 511

<210> 4854
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-F8

<400> 4854

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gtttgaagct ctatccctgg tcatgcatct tgatgctgag aaggaaatga tgtcacagtg 120

tgttgctctt cttggcaagt ttatttctgt ccgtgagccc aacatcagat atctaggctt 180

ggaaaatatg acgcggatgc tgatggtcac agatgttcaa gatatcataa agaagcatca 240

gtctcagata atcacctcct tgaaagaccc tgacatcagt attcgtaggc gtgctcttga 300

tttattatat gggatgtgtg atgtgtcaaa tgcaaaggat atagtcgaag agttgctgca 360

gtatcttaac acagcagagt tttccaatgc gggaaagaan tatcacttaa agctgcaacc 420

ntgctgaaaa atttgccctg atcaacaatg gaat 454

<210> 4855
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-G10

<400> 4855

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ctaatgtcag cttttgacgg cgttgaaaat caaatgaacg gtccagattc atctcctcgt 120

ctctctcaag atcctcgtga gcctcgctca ttattatcat cttcttgttt cccaatcacc 180

ctcaagttcg ttgatgtgtg ttaccgagtc aagatccatg gcatgagtaa cgattcttgt 240

aatatcaaga aactattagg attaaaacaa aaaccgtccg atgagacaag atcgacggag 300

gagaggacga tactaagcgg agtcaccgga atgatatcac ccggcgagtt tatggccgtt 360

tcttgggacc aatccgggaa attggcaaat cctacgctaa ctaaaacgca gtccncaagg 420

ggagactccc aagggattaa aacctcaacc gggaaaaata cnttataaac cga 473

<210> 4856
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-G11

<400> 4856

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attgaagttg gagaatcgca catttggctc tcgatatttg ctcaatgact tcttattcga 120

ggtagccttc aatttaggat cggagttcgt aaataaggtg atttagcgaa gatgatggtc 180

gaagatcttg gtgtggaagc gaaggaagcg gctgtgcgag aagtggcgaa gctcttaccc 240

ttacctgaac ttttgcagtc tatttcttca atcaaggccg attacatcgc tcgtcaacag 300

gcaaatgatg cacagctcag tactatggtt gctgagcang ttgaacaagc tcaagctggg 360

ttagagtcac tttcatcatc tgagaaaacc atttatgaac tgcgggataa ttcatttcat 420

cgacaagctt 430

<210> 4857
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-G3

<400> 4857

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cnaancggtc agttcaggtg gatctccnct cagatggacc gggtanggaa cggtgagctg 120

taccggtaca tctgtgacac caagggtgct tttgtccaac ctgcattata tgaagccttt 180

gggttaactg ttgtggaggc tatgacttgt ggtttaccga ctttcgccac ttgcaaaggt 240

ggtccanctg agatcattgt gcacggtaaa tcgggtttcc acattgaccc ttaccatggt 300

gatcaggctg ctgatactct tgctgatttc cttcaccaag tgttaaggga agatncaact 360

cactggggaa tgaagatttc aaaaaggang ggcttcaaga agattgangg agaaattaca 420

cttgggcaaa atccaaatca acaagaaggg ctccntggac aattgaacng ggtgttgtaa 480

agg 483

<210> 4858
<211> 512

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-G4

<400> 4858

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gagagatata gagagcatca atggcgtcgt cgtcaagact ttgcgattcg tgcaaatcga 120

cggcagcaac tctattctgc cgcgcagacg cggcgtttct ctgcggcgac tgcgacggta 180

agatccacac agctaacaaa ctcgcatcac gtcacgaacg agtttggcta tgtgaagtat 240

gcgaacaagc accagcacac gtcacgtgca aagctgacgc cgctgcgtta tgcgtcacgt 300

gcgaccgtga tatccactca gctaatccac tctctcgccg ccacgagcgc gtacantcac 360

tcctttctac gaacgctgta ngtccaagca aaatccggct tcntcctccg gtaattttcg 420

ttagaatgaa gatgggcggn tgacgttaac tggcttcgtt gnntttaanc tnaaggaagg 480

gatccganat cnctaaattt gttctccgat tt 512

<210> 4859
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-G6

<400> 4859

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tcttganaac aattcattaa caggatttat ccctaaggaa ttgaagaatt gtgtcaaact 120

tgttgatctg aatctcgcta agaacttctt gaccggagaa atccctaaca gtttatctca 180

gattgcttct ttaaactcgt tggatttctc agggaatagg ctaacaggtg aaatcccggc 240

gagtcttgtg aagttgaagc tgagtttcat tgacttgtct ggaaatcaac tttcaggaag 300

aataccaccg gatcttttag cggtgggagg atcaaccgcg ttctcacgta acgagaanct 360

ctgtgttgat aaagaagaac gctaaaacaa atcaagaact tgggggttga gtanttgcaa 420

ttggctaaca aaacgntgaa naaggataan tcactccaat ggaaca 466

<210> 4860
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H1

<400> 4860

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tgttcgtgat ctctcttcct ccggaaaaag atgtcggccg gtaacggaaa tgntactaac 120

ggtgacggag ggtttagttt ccctaaagga ccggtgatgc cgaagataac gaccggagca 180

gcaaagagag gtagcggagt ctgccacgac gatagtggtc cgacggtgaa tgccacaacc 240

atcgatgagc ttcattcgtt acagaagaaa cgttctgctc ctaccacacc gatcaaccaa 300

aacgccgccg ctgcttttgc cgccgtctcc cgaaggagga acgtcagaaa gattcagctt 360

caaatctaat cagtgcatcc gttaagcatc cgtttaacna agaagaattc aagggaccaa 420

aanggtggtt gaagaangga gatttccggg cgggagaaan gaaagaaccg a 471

<210> 4861
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H10

<400> 4861

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aagagagagc ttcaatggag ttagcttctt tccttggtag agctctgttt gtttccgtat 120

ttcttctctc cgcatggcaa gagttcaatg attttggtga agatggtggc cgatcagcta 180

aatctttgaa accaaaattc aatgcctttg taaaccatgt gacaactcac actgggccag 240

caattgccaa cagtcgatat gaagattcct gttgctgctg ctatancctt gaagggtatt 300

gggggacnaa ttggttgncc ttggcaactc aatgggaacc taacccctgc ctcctgcaac 360

aaacccttgc caacccaatt cngtaagaat tccacaacta cgaagttgca aaaaagggan 420

tcggcaacta atttcaaaan ttacac 446

<210> 4862
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H11

<400> 4862

aaaatcctgg cgttgatagc gattggttaa ttgtccgtga atcaacgnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaga gttttgtcag atctcgccgg 180

gaaattagca atggcgtttt agtctgttta cctgtgaagc ttttgcgtaa acgctggatt 240

cttctcaaat ctctctcacc tgatctctta ttagattccg aggatggcgc taaagcgagg 300

gctatctgga gttaaccgga ttagaggaag tggtggtgga tctcgatctg tgcttgtgct 360

tctcatattt ttctgtgttt ttgcacctct ttgcttcntt gttggccgaa gaatgtatat 420

cgaatcctca aatgan 436

<210> 4863
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E9

<400> 4863

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cgtggggcag cttttagtat ttttttcaac aatcgctttt tttttttttct cgatctccgt 120

gaagctctcg aatctctggt tttgagtttt ggagaatggt gtttttccgc agcgtatcgg 180

cctttactag gctgaggtct cgcgtcggcc aacaatcttc actcagcaat tctgtcagat 240

ggattcagat gcagagctct accgacctgg acctgaagtc gcagctgcaa gagttaattc 300

cggaacagca ggaccgtctg aagaaactga agtcagaaca tgggaaggtc caactgggaa 360

acatcactgt tgatatggtt attggtggaa tgagaaggat gactggattg ctttgggaaa 420

cctcaatgct tgacccggaa aaggtatccc cttaagggga atgtccaatt cctgaattgc 480

aaaaaagttn t 491

<210> 4864
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D5

<400> 4864

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atcttttagt atcctgagct ttaggggaag tgagaagagt gccatggatg gatatnngaa 120

gcagaagatg gtaaatttag tgtggagacc catctccact caaacctctt cagttattgc 180

tgaagctgga aatgaagtcc aagaagtagc tcagtgtagc aaatcaagtg atgtttctaa 240

ggaagttatt gaaggagaga cagcttcagt tgtttcagct ggaaagcatt cagtttctct 300

tgaggttggg gcttctttga ttaagttcat tagagggaaa gaagggancg acgcagatga 360

aactttgaan aaggaaatgg ggagtgaaag ntcaatccnt ccatcaanca aaggaacaaa 420

gatnatatca nccaattgan agncggttca ntnggnattg tggtgancca aaagcc 476

<210> 4865
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D6

<400> 4865

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acgtcaccga tggcgtctca agctgcgaat ctctgggttc ttctaggttt aggtctcgct 120

gggattctta tgcttaccaa aaagctgaag aagaccgtcc gtgaagattt cggcgctttt 180

atcgataaac tcatgcttct tccccctccg caacctgctc ctcccaaagc tcctcatcct 240

ctcaccggtc taacctttgc cgtttccgac gtattcgata ttacagggta tgtgactgga 300

tttggtcatc cagactgggt caggacccat gaagctgctt cgtcaacatc tcctgtggtt 360

tcaactctcg ttgaangtgg agccactttg tgttgggaaa actgtagttt gatgaatttg 420

cgtttaataa ttagtggaga aaacaagcat acgaatcacc tncaaatcct gnaactccta 480

ntcgtaatcc tggtgggcgc ttgc 504

<210> 4866
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D7

<400> 4866

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cccagacagc gtggttggaa ctgattcaca tacaactatg attgatggtt tgggagttgc 120

tggatggggt gttgggggta ttgaagctga ggcaacaatg cttggccagc ccatgagtat 180

ggtattgcct ggtgttgttg gattcaaact tgccggaaaa atgcgtaatg gtgtaacagc 240

tactgatttg gttctaacag tgactcaaat gctgaggaag catggcgttg ttggaaagtt 300

tgttgagttt tatggtaatg gcatgagtgg gctgtcccta gctgacaagg gcgacaattg 360

ccaatatgtc tccccgagtt atgggtgcaa ccatgggcct tcctccctgg tggatnaatg 420

ttaactccta caataacctc aaanttgact gggaanaaac caatgaagac anttggc 477

<210> 4867
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D9

<400> 4867

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cacacttctt ctcttaacaa cacaacacaa ctttgaattt ttcaccctca ctttcattta 120

tctcaaatct ccttccagaa aagcgaggga atagtgttgt tgagaggttt gtgatttcct 180

tttgaaaaaa tgatggcttg tggcttaagc aagagccttg gcttgtcttc ctccttgaag 240

aagcaacaag gcatagtgag tatccttggt ggcatttcgt cgaacacttc atctgcacct 300

tcacttaggc gaactttctc cgccgatttg tcctccaaga cttgggtttc ccaaaatggg 360

ttttctccta tgaagagaat ctcttcctct gagaagcttc gtcctgacga agaagaagca 420

gaggaagaat caagatccgg agtcgatatc tgggcacaag attcaacaag acaagaacga 480

taagaagaaa g 491

<210> 4868
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E1

<400> 4868

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ctttctttat cgtctcggtt tcgtcgtctg angtcaacga cggngatgat ctcgtgatcc 120

gtcaggtggt tggtggagcc nagcctcagg ttttgaccnc agaggatcac ttttctctct 180

tcaagcggaa gttcgggaag gtctacgcnt ccaacgagga gcatgactan agattctcgg 240

ttttcaaagc gaatctcang cgagcgaggc gtcaccagaa gttggatccg tcggcaactc 300

atggtgttac gcagttctca gatctgactc ggtctgagtt ccgtaagaag cacttggggg 360

gttagaagtg ggtttaanct tcctaaagat gcaatnaacg gntcccgatt tcccctaanc 420

gnnaaatctc cctgaaggat ttngattgng ggaaatnatg nnccgttact cccgtcanaa 480

atcagggatc ttgcggncct gccgg 505

<210> 4869
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-019-Q1-E1-E10

<400> 4869

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acgtcgacgt cagctgcagc tgcagcagca gcgatggcga cgaggaggaa accgtcgtgg 180

agagagaggg agaacaatcg gagaagagag cggcggagaa gagctgttgc ggcgaagatt 240

tatactggtc ttagagctca aggtaactac aatcttccaa aacattgtga caacaatgag 300

gttcttaagg ctctttgttc tgaagctggt tgggttgttg aagaagacgg aactacttat 360

cgcaagggac acaagcctct acctggtgac atggctggat catcttctcg agcaactcct 420

tact 424

<210> 4870
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-019-Q1-E1-E11

<400> 4870

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gtgattgcag ctactaaccg tgcagatatt ctggacccag cactcatgcg ttctggtcga 120

ttagacagaa agattgagtt cccacaccca accgaagaag cgagagcaag aatcttgcag 180

attcactcaa ggaagatgaa tgtccaccca gacgtcaact ttgaggagct tgcacgatca 240

acagatgatt tcaatggagc tcagctgaaa gcagtgtgtg tagaggcagg catgttagct 300

cttcgccgtg atgccacaga ggtgaaccat gaagacttca atgaaggtat catccaagtc 360

caggccaaga agaaagcaag cttgaactac tacgcctgat ctctctctct catcatttat 420

ttttatcaat gccgttt 437

<210> 4871
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E12

<400> 4871

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aaaaaaacca tgcattcact tccggtgaat ctcgtcctca ccgtacttac ggtgttccta 120

acatcaccgg cgcaagttat cggataccgt ccatatccac caaaaaccaa cggctccgat 180

caaatcttcg acgcttcaaa aaaattcgaa ggctcatcga atctcgtccg cctccgttac 240

cacatgggtc cagtcttaac caacaacatc accgttcacc caatctggta cggcacgtgg 300

caaaaatccc agaagaaaat catccgttgg ttaatgcttg gtacgcagga cccgacccgg 360

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ttcgtacaca aggacaaatg tttga 445

<210> 4872
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E3

<400> 4872

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nnnnnnnnnn nnnnnntggt acttagatgc ggttcttgtg ccaagtgctt tacttatgat 180

gtttggttac cacatctatt tgtggtataa ggttcgaacc gatcctttct gcaccattgt 240

tggtacaaat tcccgcgccc gtcgatcttg ggtagcagcc atcatgaagg acaacgagaa 300

gaagaacatc ttagcggtac aaacactacg aaacacgata atgggaggga cgttaatggc 360

aaccacttgc atcctcctct gcgcangtct cgctgcccgt tttaaagcag tacttatagc 420

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tcaaaatacg taaccatcct canaatcctc ctctccg 517

<210> 4873
<211> 558
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E4

<400> 4873

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tctggcaata acgaggatga gcaanaaaaa tagtgacatc tgtataaacc tctctggtgc 120

atatatgaaa gtgggatcaa gatggtgttc ttgatgcagg aatcangtgg ggctcnaact 180

tgatgcacat atccatacct gagaaggctt acacttctcc aattttggtg ttcttgttcc 240

gtaatgattt aaggcgctac cacactgtaa cgtatgtctc cctcgactac aacagcttgt 300

agtgaagatt aangcaaaaa aaattcttgg aagattggtt catcattntg ctctcaaaaa 360

agcctgcaaa aatttctcct taaaaggnta atccaaaatg aattgacctt gggattctta 420

attggattga aagaattctc cggccaaacc gggnnggatt gacctttga aggaaaancc 480

tcaaaagttc ctggccggcc caaacnggtt tgntaanaac cccccnaaaa aaaaggcctt 540

tgcaaaanaa actggttc 558

<210> 4874
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E5

<400> 4874

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gaactactac tagtgttttt ttccgtgaag taangagaaa cggtaacttt ttctatttgt 180

tttcaagaaa agccaaagaa aaaaagaatt tttaatatac tctgtttttt gcaatgattt 240

tgttttgtga aatttttctc ggagaagaaa gtaatttaga agacggagag tggcaaaacg 300

aaatataaaa aaaaaagttt tcaatttctt ttaagaaaaa aanagctttt tcccttctta 360

aaacccttcc tctgttcaga aacagagaca taagaagaaa gatagatnac aagcctaatt 420

gcgttcctcn tctcntcctc ctcctactgg ggtttaaaat canagaaacc atgtccggcg 480

aattgttcna 490

<210> 4875
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-E8

<400> 4875

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cggatcatcc ggttccggaa ccgtcggatc gtcaggctcc ggaacaggcg gatctcgttc 180

caccacatct actcagcaga atggtcggat cttaggtcgg ccgatggagg aagtacggag 240

aacctatgag tttggtcgtg agcttggtcg tggccagttt ggtgtcacgt acctcgtaac 300

tcacaaagag acgaaacaac aggtcgcttg caagtcaatc cctacgcgcc gcctttgttc 360

acaaaagacg aacattgaaa gatgttccgc cgttaaattc aagaattatg caaccaatct 420

caanccggtc aaccgggaac ataagtggga cttgaaaggg aagcctaacg aagggacaag 480

acaact 486

<210> 4876
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D4

<400> 4876

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ccgatcggga aaccgtatcc aagctccgtg gctagtctgc gctctttgga ctttgaaaac 180

ttagcgaact gaaacatcta ngtagctaan ggaagggaaa tcaaccgaga ccccgttagt 240

ancggcgagc gagagcggat ttgggatttt aagaaaaaga aagacgaagc ttcgttccaa 300

agtgttcact tctttttcgc caggtttcat tcgatttatt gtggattgga ttgatggnaa 360

accancaagn ccctcttctt tcagtcgagt tactcgtanc cttgactgaa ngatcctaaa 420

nggcgctgtg aactgtaant gtaaaaaggt tggaagattt tggcnaaaga angggaatan 480

ccctgttaga ttccgttcct atggttcc 508

<210> 4877
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B3

<400> 4877

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tctcgatttc gtttttttct cttgtttaat ttaaaattat tgtaaagcac gtggatttgc 180

ttgtcttggt tttgttttct ccttcgacct ctttgatgaa atcgaggaac ctacaatttc 240

ttcgtcgatc caaatggtag cttagtggtg gtgataatag gtttctcctc ttgattggct 300

ccagctttag gttttttttt tatctttgtt tctgcttcga ttcccaaaat ttacctttcg 360

attttgagtc taactaagtc naagttgact caagtagagt ccgaaagcct cctggggtta 420

cgaaagagac atcctcctaa attgaaacaa aaaccttccc tttcaattgg gctganaaaa 480

aagcaagaat ctttgaataa tt 502

<210> 4878
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B5

<400> 4878

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atgagcttat catcgccaac cagacagtgc ttgtagctcg tccagatgtt actcctcggg 120

attatcgttt ccgattggat ttggatcgaa tcccatcaat gtggattggt ttgttaccca 180

aaaagataca gtattgctgc tcggaagttc gtagtggctt gctcctcctc ctcttccgat 240

ccacttttgg ttaaggctgc aaaagggcaa gccataagtc gtcctccagc ttggatgatg 300

aggcaagcag gaaggtatat ggctgtttac caaaagctcg ccaagaaaca tccgtccttc 360

agangagaga tcagagaaac actgatctaa tagtggaaaa tcctcctttg caanccttgg 420

gaaagcaatt caagaccaga acgggtggtc aatcaatttt nccctgaana tcctcaaccc 480

ntttaacctg gaatttcngg tggtcccttt t 511

<210> 4879
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B6

<400> 4879

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ctctgaaaac tgcgtctcta taccagcttt ctctgctctc aantccactt ctccacgcac 180

cagtggcacc atctcttccc gtcgacgaaa cgcctccacg atcagtcact ctctccgccc 240

tctggttcgt gnagccnccg tataggcaat cgngacaagt tctgattcgt ccctggttga 300

taagtcggtg aacacgatca ggtttctggc antagatgcg gttgagaagg cgaaatcagg 360

tcatccaagg tcttcctaat ggggctgtgc tcccgatgtc tcacantttg tacgatgaag 420

tcatganagt ataaccccaa ngaatccctt taagggtttt aaccgtgatt ggtttcggtt 480

ctcctctggc tggggacatg ggattgcaat gttgcaataa gcttcggc 528

<210> 4880
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B7

<400> 4880

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aaatgataca tatattgcgt acttaccttt ggctcatgtg tttgagctgg aagctgagat 120

tgtggtcttt acctcaggta gtgccatcgg ttacggctca gcaatgactt taactgacac 180

ttcaaataaa gttaagaaag gaaccaaagg agatgtttca gctctgaagc caactataat 240

gactgcagtt ccagctattc tggatcgtgt ccgagaagga gttcttaaaa aggttgagga 300

aaagggaggg atggcgaaga ccttttttgac tttgcataca agcgccggtt aacanctgtg 360

gatggnaatt gggttggtgc ctggggtttg gagaaaatgt atgggatgct cttgtctcaa 420

gaaatacccc tgtgcttgga ggaacatcc 449

<210> 4881
<211> 469
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B8

<400> 4881

actctatatt aattacttta caaatttttg atccagtttt ctcaattttt tctagactcg 60

tatcgatatg gcgaatcatg aaacgatatt tgatcagcta aagaagcaga ttccagtaga 120

tgaggaagaa cctctgattt tgaatcgaga ctcaagcgtt ggtctcgtca tcgttgacgt 180

tgttaatggc ttctgcacaa ttggctccgg caatatggct ccaacaaagc ataatgaaca 240

gatatcgaag atggtggagg aaagtgcaaa gcttgctaga gagttctgtg atcggaaatg 300

gcggttttgg cgtttattga ctctcatcat ccagatattc cggagagacc ttaacccccct 360

cattgtatta taaggaactg aaagaatcaa gaacttggtc cctggctccn gaaaatgggc 420

ttgaaaantt aanggattgg tgccaacncc ttaagaacna aaagggatt 469

<210> 4882
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-C10

<400> 4882

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tcgacggagg ttgatcggcg acggcgtaat ggccggagga atcgtctcac cggcctctct 120

actcgaccta atcgctgata tcgtcgagat tccactcaac accggaatgt tcaagaagga 180

ttgcgcagat ctcactcgac gagtttgtct cttaacgcat ttgttagagg agattagaga 240

ctcaactcct atcgattccg ccgcttcgtc gtcgtcggag aatgattggt ggtctgatct 300

cgtggtcgga cttcaagccg cgaagcgtct tctctccaca gctcgattcc aagctcgcga 360

ttcctctgat ggtgctgcga agagaatctc atttcagttc caatggtgtt acatggaagc 420

ttgagaaaag cantgagcaa t 441

<210> 4883
<211> 477
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-019-Q1-E1-C3

<400> 4883

ggaatcctcc actgcttctg gtagtcttcc ttcgtatgac tctccttctg tgagcattac 60

atctggccgg agcccgtttt ctcctcaggg ctctcagtct tgcatctcgg atctccatca 120

ttcccctgac aacgtctatg gatcaccttt gagtggggtg tcatctcttg cctatgatga 180

agctggagtc aagagtaaga ttcgggaact tgaggtctcg ctgctgagtg gtgatacaaa 240

agttgaagaa ttctcaggtt ttagccccgc tgctgggaag tcgtggaact gggatgaact 300

tttggctttg actccacagt tggacttgaa agaagtgctg gtgggaggct gctccggcaa 360

ttcgctgatg gggaattcgc taacaagcgt atgggattcc cttgaatgtc cttggaacaa 420

gatgggtgtt aagtctcaag gcaattccga tcaaacgggt aagggaactt aaaatgg 477

<210> 4884
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-C4

<400> 4884

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ggtaaaggca ggtcaggaca cctctattga gggaaatgat tttgttgagc tgattgaggg 120

cttctccgtc acgttcaacc atgttttaag cggtgataaa agtttggacg attttgtttc 180

gaatcttgct aatgtcttca acgaggcgat ggagcgaaag gtaagtttta ggggtctagc 240

ttcctctgag gttgaaactc tgagtccaga ttgcatagac aaggttgcat tacccgagag 300

caaggttgta gataaagatt catctcagga aatatatcaa aatgggatgt tgtccaacaa 360

acgaaccaaa ggggttcaat gttgatgaaa acaaganttt caaggggtaa tgaatccaga 420

ttcccaaatt tacagggaaa attanaagaa ccggaga 457

<210> 4885
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-C6

<400> 4885

gganctgtga cctctcttct tctattgtga gaaagagatc aacaaatgga gacaaagagc 60

gaggagaagc taagtgtcat cgaactacta aaacgagctc ttaagctact ctttggtaac 120

atcaatctcg ctctcttcct ctttctttgc tctctcccac tgttttgttt cttgatcttc 180

ttcgagctct ccctccaaac cactgtctca ctcgcttcca catacatctc caaactagtc 240

aattctgagg aggacttgtc ggagaatgat cttcttcctt ggctgattca gacaactctg 300

ctctacttct ttccctatac tattcttgac ctccttacca ccaccaagat ngttgcagca 360

tcatccgatt gctacacatc tgaaggaana gccgtttagg gttgcttatt tggtaagggg 420

agattcttca agnctaagtc agaacaaaag tanggaggtt gtt 463

<210> 4886
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-C8

<400> 4886

tgntctacgg tccatattcc cggggccccc acgcgtccgc nancnctaac gttaccatct 60

ccgtctttgg tgtcggtgag gagcactaaa ctcggacgaa gtgttagtaa tggtggccgg 120

aattggtcgg gacttactaa gttgtcggag aaatcgaaga ctaaacgagg taatggtctc 180

tgctgcaagg cggagctgtc ggagctagct ccagtcgtct ctgctactta tggtgtactt 240

cttctaggag gcggtctctt cgcttatagc aaatctggaa gcaaaggttc tctctttggg 300

ggtttgaccg gttctgttct tatggcatct gcctacttcc ttactaaatc accagagaca 360

agagttctcg ggcgatacca taggtcttgg tgctgcttcc ccctctcttc tgtctcggat 420

tcgtttggca tcctctccgg aaacaagttc aactggtcca atactaactc cctttcaatc 480

cggnatgttt gtccttcctt g 501

<210> 4887
<211> 491

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-C9

<400> 4887

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atgtgaacgc ttttggggcc aatcgttatc ctttcagtga ggaccttgga agacaagctc 120

agatgataac cgaggtttct ggtcgattat ccgagcttaa aaccacgata gatgctgggt 180

taggtcagcg taacattctt ttgcagacca ttggagataa gtttgaacta tggaacctca 240

aggtacgcaa agagaaagct atctatcata cattgaacat gcttagtctt gatgtgacga 300

agaagtgcct cgtggccgag ggctggagtc ctgtctttgc atcaagagaa attcaagatg 360

cattacagcg tgccgccgtt gactccaatt ctcaagttgg atnaattttc caagtcctaa 420

gaaccaaaga gtcgccacca acttattttc ccacaaacaa atttacttct gcaatccaag 480

aaattgttga t 491

<210> 4888
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D11

<400> 4888

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gtaattcact acacacacac aaaaaataaa ttgagtgcct cccccaaaaa caaaattggt 120

agataacgag caattgtttt ttttcagatt tgatcctgaa tttttacatt ttttttttg 180

caatctcccc ctaatctgtt gtttctcgct tcttcttctg ttaatcatct gtctttcaaa 240

aagaaagaaa aaagaaaaat tcgatttctg ggtttgtttt tgtcatacag aaaaaaatca 300

agcttatgaa tttgtgttta atttttgtt ttaatttgaa aggcaggttt tttcagaacg 360

agatcgtttt ttcaaatttc ttctgatttt acctcttttt ttcttcttag attttagtga 420

atcgagggtg aaatttttga ttccctcttt tcggatctac acagaggttg cttaattcaa 480

acctttttag 489

<210> 4889
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-D3

<400> 4889

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acttctcgtg acatggcagt tgctgcaagg gaaagctcaa gaaagcttca ggccttatct 120

tcagaagata ggaaacaaat tctacacgac attgccaatg cccttgaagt aaatgagaaa 180

acaattaaag ctgagaatga tttagatgtt gctgcagcac aagaagctgg atatgaanag 240

tctttggtag ctcgcttagt tatgaagcct gggaagatct caagccttgc agcttccgtt 300

cgccagctag ccgaaatgga agatccaata ggccgtgtat taaagaaaac tcaggttgca 360

gatgatctta attttagaga agactcatca acaatangtg ttcctcctga ttgtttttga 420

atccccgggc cttgatgcac ttgttcaaga taacttcgct tgcaatccng 470

<210> 4890
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B10

<400> 4890

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nnnnnacgca ccaactgttg cggctcaaag agatctcgat cgggatccac aagacggaga 120

tagatagaga gagagtgaga gctaacggaa atgggatctc agctacttga gtgttgcttc 180

cgtttcgtct tctactgtca ctcccacagc tccaactgtt ttccttgatt gtttttcttt 240

tatctcggcg ttttactcgg aagcttacaa cacactctct cagggatttg aaatcctcac 300

gtttcagcac attctttgtg gttcccatct attctctagc cagttcggag tttgcctgaa 360

gaaatcaaat gggttcgaga tacgcatctc accaactcaa caatgggctt tttgtgtctg 420

gccggnc 427

<210> 4891
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-A7

<400> 4891

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cacgcgtccg tttccttcct aatttccaac ctctgttctt agcaatatat tttttctcca 120

aaaataattc tcagtttgat tttcttcttc tagctcttaa gtatatttct ttgttgttat 180

ttatctttta atccttaat ctcatctttg tttatcttta atcaaaaccc aaaatttaca 240

tgggttcttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

gctaatggtc ttaaatatgg agtctaccgg agaagctgtt agatcaacca ccgggtaacg 360

acggtggtan tacggtggta aattcgaagc gccgtcaaaa ttccaagtnn ctcaaaagat 420

tangaaagct caaaaccaat ctcccaactt cggtcaatcc tcctccaaca aaagccaacg 480

tctcaacaan anaaggtcct ccggccgctg gaaaatttcg acgggggaca act 533

<210> 4892
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-A8

<400> 4892

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gcattcaaat gcccctccaa gtgaaaactt atttccaggc aggcaacatc agagaactac 120

atcttctggg agtgtcagat cagttgacag taatttcatg tctatcaagt catatacttc 180

gggtggttta ggggaagccg tatctgaaag tcgtcaaaat acaggaagcc agcaaggtaa 240

aacatctaat catgttcctt tagtagcaga gtcgacaaag gctcctatag atttgtttca 300

gttgccagga gcgccagtgg ctcaatctgt cgatacattt caaccttcaa tagaaccccg 360

attctccacc tgtgatcttc aacaagctcc acaagacatt actcaattta ccccggnaaa 420

ttcntttgct ggaaatttgg gtcaacaacc cacttcaaga ccatcagaan ttgtctgcgc 480

ctaagaacna 490

<210> 4893
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-B1

<400> 4893

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gagagggagt gtcctggtgt tgtctcatgt tctgacattc tcgtcttgtc cgcaagagaa 120

ggcatcgaag cagtaggagg accttatatt cctttgaaga caggaaggag agatggactt 180

aaaagcagga cggatatgct cgagtcatat cttcccgacc acaacgagag tatctccgtc 240

gttcttgaaa agttcaaatc catcggtatc gacactcccg gcctcgtcgc cctcctaagg 300

gtcacacanc gttggaaaaa ctcactgtgt caaactggtc catccgtttg tacctgaagt 360

ggacccgtcc ntaaancccg gacaagtcct cacatgctan acaatttcct gaatccattc 420

tganccaaag ggggtc 436

<210> 4894
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-B2

<400> 4894

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ttctcgcgcc gccttcagcc gattaatctc aacggacaca actccgatca caatcgagac 120

ttcgcttcct ttcacagctc acttatgtga tccancgtca cgctccgtcg aatcatcgag 180

tcaagagctt ctcgatttct tcanaaccat ggcgttgatg cganntangg aaatcgcagc 240

cgattcgcat tacatngcga agctaatccg acggttttgt catctctaca acgncaagaa 300

cctgtagcta taggcatgga agctgcgaat acnacgaaag gacncganta ntactggnta 360

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ttaa 424

<210> 4895
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-B4

<400> 4895

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gattggggcg gattggctcc agagatactc atcaacatca tttcaaggct tacgattcag 120

gagctatgga ccggtccgat gttcgtccaa aaatcgtggc taactgtttg cagagatccg 180

tatctctggt ctatcttcga tctggagcca tggttcgatt cctatcccga gtcgactcac 240

ttgtggtccc ctgagttcga gcagaaggta gacttaatgc tacgatcagt cgttgattgg 300

agcgaaggtg gtctcactaa gattcgcgtc cgccattgca gcgaccacgc tctctcttac 360

gcagccgata gatgcccgaa tctacaagtt ccttgccatt agaagcaatc ctaacgtgac 420

aagacgcatc gatgacnaag atancgtttc cgtgcaagga gtttaaagga acttgatatc 480

aanttactgg tcacaagata ccn 503

<210> 4896
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-B7

<400> 4896

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccatcaca aaggtgattc gtcgncttca 180

tcatcatcag atgacgacaa cgagaanaag tcttcgtcat cgtctccaaa gtctttgaaa 240

tcgaangttt atcgtttgtt cggaagagag agacctgttc ataaggttct cggcggcgga 300

aaancggcag atatanttac gtnggaagac aaagaaaatg tcaggangtg taatttggcc 360

gtgctacaat tgcaagggtt gcaatttgaa attgattgga gtaacancct cctaatccgt 420

tangtccacg ttaagattcg ttgctcctgc ngtgttgttc 460

<210> 4897
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C11

<400> 4897

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ttttgaccgg aacattattc cggcagctac ccaagacctc actcctcgac tatttagttt 120

cctcgctgtc actatctcaa cgccggagga aaaacttaaa caaagagtga taggtcgaag 180

tgacaccggt gttgtaatcg gtaaacccag aagaagccct aagagtaccg tcgatttttg 240

tgctcntatc ttcttctgct caatctattt cgcgcacatt gtacagtgga aagtaacagt 300

agctttgcat gagcctgatt ttcagataaa caaagatgag tcacgataga agtgttaacg 360

tttcgcatga tgctgtgatt gctaaacccg ancgtggcac tatgcttcag agcttctcac 420

ctaggagcc 429

<210> 4898
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C2

<400> 4898

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cctgaccagc tcacacggtg gtactttgtc gggttcttga gctgcggttc tcttgtttca 180

atgtttgcct cgccgttgtt tgttattaac ctagtgattc ggactaagag cgttgagttt 240

atgccgtttt atctctcgct atcgactttc ttgatgagtg cttccttcct tctttacggg 300

gttattcaac agcgaatgcc tttgtttaaa caccaaatgg nataaggaac gaatccntgg 360

gaattgtgca nctgggcttt gtaactgtta ctaacacaag gaattcnaat agaaagaaga 420

aacaaaaaga gcctttgaat gggttcctaa cntgtgaagg ttccccccaa aaa 473

<210> 4899
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C3

<400> 4899

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gtctttgacc accggaggaa tgggatgtct ttgtcnaatt gtcactggaa ctgttccttt 180

caatattcct attaancgca caaccgctgt ctcacttccc cgtgcttgta acatgcctag 240

agtcnctctt caatgccaag ccaatattgc tccagctgct gctcctggac ctgctgctac 300

atttggacca tcgatgtctc caaggaccaa gagacggntt caattgttcc aagagccaaa 360

tccggnaact caaacaccaa cagtctgata caaccccgac caattacaac aacccgttcn 420

aacnggtggg agctcccaac attcanaacn aacgggnggg aancaacaan ttcgaacctt 480

tctgaanact cccttcaatc ccggcctaac gcaaatcctc aaacaatcct ccnttccccc 540

ttccttcaag c 551

<210> 4900
<211> 562
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C5

<400> 4900

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aaacgacaag aagaaagaaa cacagttgca ggagagaaag agatatggct gtccggataa 120

acgcgatggc ggtgacgttt gtggcgcacg cgctggcggt aatagcggcg attatggtac 180

tggtttggag tatcagttac agaggtggat tggcctgnga agctactaac aagaatctca 240

tcttcaatct gcatcctgtt ctgatgctca tcggatttat aatcttggga ngagaagcca 300

tcataagtta caaatcgcnt ccgctggtga aaaccagttg aaagaagttg attcaacctt 360

atactccaat gccaattgct ctggctcctt ggggaataat ttggcatcct gttgcaaacc 420

cttttaaaga aaccaacnaa ttgaaaaagc caattatccc ctnaatcctc ctaacaagtc 480

ctccaaattc cctgggaatt tgggnaattt gggannтcca ntttcccccт tttaaagggg 540

ctttccaaat tggggttgtt ac 562

<210> 4901
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C7

<400> 4901

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cacctaatgg tgctagacct ggactacacc cggcagggta cccgatacct atggttccac 180

tttcaccctt tcctggtggt cctccttctc agccatacgc tattccaact cgtggacctg 240

ttggtgctgt tcctcatgct cctcaacctg gaaacatggt tttgganctg gtcgtggaac 300

tcagttgggg gcaccttccg caacaacaan ccaccaanat aatgttggaa cattggccta 360

attaaacttc ccccttgata tccgaataac caaccttaac tggtggtccn catcccaacc 420

tggatatggn accaat 436

<210> 4902
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-C8

<400> 4902

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cgtcgatccc tccgccggag cttgacaacg actcactggc gtcatcgccg agatcggagt 120

acgatagtca gccacgcgta cggttcatgt gtacttttgg aggaaggatc ttgccacgtc 180

cgccggataa tcagctctgt tacgtcggcg gcgataatcg catggtcgct gttcatcgtc 240

acactacttt cgcctctctc cttagtaaac ttgctaaact ctccggtaaa agcaacataa 300

gcgtgaagta ccagctacca aacgaagatc ttgacgcgtt gatttccgta tcaacggacg 360

aaagatgttg agaacatgat ggacgaatac gaacgcgtcg cacanaatca aaacccangc 420

gcctctcgtc ntcgtccttt tctcttaaca aaaaagtcgc cg 462

<210> 4903
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D11

<400> 4903

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agaagaagaa cttctctgca tcaatggcga tctccaagct ccatctactc ttccttctct 120

cagtctttct ctcccttcat cctcttgttc tttccgacac cgccggtaat taactctctc 180

atttcccgtc aatgtcttct tggttattca atttaggttc ttgaactcta tcgatcgtaa 240

tttgtttacc tagatctggt ctgaaatcgt tgaatcttct taattcaagc ttagttcggt 300

tcttgatttg tgtgtcattg tgtgttctgt tctgtttcga atctttttga atcggatctt 360

gatttttgtg tgtgttccgt tttccttttg gatatacaca agatgaagaa agaagttcct 420

cctacangna acaacaagta caagagcaac actaaaccta acaan 465

<210> 4904
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-A4

<400> 4904

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attctgtgtt gttgtataca gagagatgtt ctcatcttct acactcgttt attctctatc 120

tctcttcctc tctctttctc ttctcttctt cctcntcatc ctctcaccac acatccttct 180

ctcttcctct ancctcattt ccaccgccga tgacctagac gacctctctc tcttccaccg 240

cgccgtcgtc tcttcctcca ccaacaacaa ccgtcgtctc atctccctct ctccaaatcc 300

acccccaaag atcgctttcc tcttcctaac aaactccgat ttaaccttct aactctctgg 360

gaaaaggctt ctccaaggnc aacaagatnt ctacaacgtt tacatccacg caagattcaa 420

ncctcctccg gtctcctcct ccttctcgaa ntccntcaat caaatcaaan ggctaaagtt 480

caatcccngg gngaagaagg aaacggnaag gaagctttct ccggaacgtt taa 533

<210> 4905
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F3

<400> 4905

tcccacggtc acaaatccgg gtcgacccac gcgtccantg ctttgaagtg aaatcagctt 60

tggctatggc ttcttcgaca gctttgtctc tctcatggag ctcctctcct tgttggtcac 120

acagcttcaa tggcggtgca aatgaaaccc taaaagtatc tgagcgaagg ttcaattttg 180

aagttgtttc ccagaagaaa gctaagaaac ttcgcaaggt aattttgaaa gaggatgtga 240

cggatttggg taagcaaggg caattacttg atgtgaaagc tggatttttc agaaacttcc 300

tcttgcctac tggaaaggct cagcttatga ctccacttct gctcaaggaa ttnaagatgg 360

aagacgaaac ggattgaagg aagagaaagc aaaagggtga aaagaaagaa ggcacaacaa 420

ctgggccgat ggtattccaa aaccgttggt gcnttcaagg ttaaaccnca aaggcggtaa 480

aggcaaactg at 492

<210> 4906
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F4

<400> 4906

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gagcacggtg aagggtctga gagaacgtcc tccatcgtct tactctctca agatggagtc 120

tttcaacaca ctcatgaagt ctgtttacac tgagagatac gaatctcgtc cttttagggt 180

cggtagatac aactggacgc ttgttgtgta tccgaaggga aacaagaacg ataacggtac 240

agggcacatt tcgctatacg tcgtcttaga caactcaact ctcacctctc aaagtgaaga 300

ggttcatgta gatctcagat tttacgtatt caacaagaaa gagacgaagt actttacgat 360

ccaagatact gatgtatggc gattcagtgc aatcaaaaga atgtggggat tttctaaggt 420

tcttcctctg attacgttta acaacctaaa aaatggatac ctttatgacg ttgaccat 478

<210> 4907
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F6

<400> 4907

cnctttgttt gtgtagcaaa aaaaaacgcg atttttttttc tgggtttctt ccgatgttag 60

atttgcagcc gtcagatcgg cgtcatggag ctccgagtag tagcggcggt gttagtggtg 120

gtgatgagct gatcagaact tataaaggct ggaaaggcaa taacgtgttc ttccttggag 180

gaaggctcgt gtttggacct gatgctcgat ctattctcat caccgtcttc ttaattacag 240

ctcctgtcat tgtattctgt atttttgttg gcagaaaatt tatcgatgat tttcctcacc 300

atagaggagt atcagtttta gctgttgctg ttggtctgat tttattagat ctagtatttc 360

ttcttctaac ctccgcgaga gacccaggga taataccacg taatctgtat cctcctgaac 420

caaanaataa tgaaggca 438

<210> 4908
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-017-Q1-E1-G1

<400> 4908

acaaatgaca caagtgtgtc ctcgctgtgt aacggcatca tctcacattc agaagaccct 60

gaatacgaaa aagaatcatc attgtcagca tccgtaccag tctctgaaga aggaaaggaa 120

gttgacgtaa aggttgatac agtagattct gaatcaaacc gttctattga catggaacat 180

gattctggaa cagatcatca agaagaagaa gcaaatggga aagaagatcc aacggttgaa 240

aatctggctg ttgattcttc ttgtttggac attactactc catctccatc tgctgctaca 300

gagttcatac ctcaggagaa cgaacgttca gacaccgagt ccaaacctct ggagaaaaga 360

cattcagaca ccgagtccaa caaaccgctg gagaaagaca tttagacagc gagtccaaac 420

ccctggagaa agaacatt 438

<210> 4909
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-G12

<400> 4909

anaatcccgg ggcccaccaa gcctncggna ctngcccggc caccgatctc gctgtcctgt 60

tgggtcctaa tgccacggcg gcggccaact acatctgtgg ccagttaggc gacgtcaaca 120

acaaatttat cgacaccgct ttcgctatag acaacactta ccttctcttc tccgcctacc 180

ttgtcttctc tatgcagctt ggcttcgcta tgctctgtgc cggttccgtg agagccaaga 240

atactatgaa catcatgctt accaacgtcc ttgacgctgc agccggtggt ctcttctatt 300

atctgtttgg ctacgccttt gcctttggat ntccgtccaa tggtttcanc ggtaaacact 360

actttgggtc tcaaaagaca tccccacggg nctctgctga ctactccaac tttctctaac 420

aatgggcctt tgcaatcgct gcggtggaat cacaagtgg 459

<210> 4910
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-G6

<400> 4910

tcttatcana taactaacaa ttcacaanaa naaacaatgg tacactctcg ttttttaaac 60

gttgttttag tcctagtgac cattgcttcc atattctcca catttgccga ngccaatagg 120

ggctttgggt ggggttgggg tgganactcc aacaattcaa nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccaact attcaagtgg ttcagcttca 240

accccaaggt caggatgggg tttcggctct agtcnaaacg gctcaagctg gggttggggt 300

tngggcngng ttccaacata canacanctc aaggtcnggt tgctccggtt gggcntgggg 360

ctaaaanaat acagctcggg atctgcgctc gggttcggct gggganatgg a 411

<210> 4911
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-H2

<400> 4911

cgtccgccca cgcgtccgcc cacgcgtccg agcaaaatct cactgctcag gaagagaagt 60

ctggactact tcagctctct gactcatcag aggactcttc caacatttat gtttttcaga 120

tttccacgac gaaccaatca actatagaca ttgcctttgt ctctggaata aaagaagaaa 180

cgtccaacat ggaaaatcgt ataatgagtc ttacaggttt gccactctct agtctacttg 240

aagagaaaca tatagcattt aatgctaagt tcaatgaatg cttcaacctt tctgacaagc 300

ttgatcctga aactttggtg gttggtaaag cagcaatcgg gaacatgctt ggaggcattg 360

gttacttcta tggtcaatca aagattcaat ttcccaaaag tcctctggct aaaagtgagg 420

atgatttctt gctanat 437

<210> 4912
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-H3

<400> 4912

cagntcccac cggtcaccaa atcccggggc cgacccacgc gtccnancac gcgtccggaa 60

aaaagctttt tcgaatctcg cttgcttttt gtcgccatga gtctctttgg gttaggaaga 120

aatcagaaga ctttccgacc taagaagagt gcaccttctg gaagcaaggg tgcacagctt 180

cgaaagcata tagatgccac cctaggaagt gggaacttga gagaagctgt aagacttcct 240

ccgggagagg atgcaaatga atggcttgct gtaaacactg tggatttctt taatcaggtg 300

aatttgctat atggcaccct taccgagttc tgcacacctg ataactgtcc tacaatgact 360

gctgggccaa agtacgagta tagatgggca agatgggtgt acaagattaa agaagcccaa 420

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actcgatgat gagacttt 498

<210> 4913
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-H4

<400> 4913

gtccaccaac accngggccg accaacgcgt cnaaccacgc gtccggtcgc cgatctcgtt 60

tcttcatttt ccgcgtgttg attggtacaa aggtttaatc aaatggttgg aggaggagtt 120

atccagcaaa ttcttaggag gaagcttcac tcccaatcac ttgcaactcc ggttttgtct 180

tggttttctt cgaagaaagc tcatgaggat gctggttctt ctggtgtaag agcacttgcc 240

ttgttgggtg ctggtgttac aggactgttg agtttttcta cagtagcatc tgctgatgag 300

gctgaacatg gattggagag tccaaagtac cttgggctca tgatgggaat cctanctcat 360

atgancatgc ctcgattcgt cntgggcaac aagtttatca acaaatctgt gcatcatgcc 420

aatcaaagtc nccgatttca aaaccgagaa cttggngggt gtcccccct 468

<210> 4914
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-H9

<400> 4914

aattccttcg ccggtcccta ccggtccann aattcccggg ncccaccaag cntncgaaat 60

aatttgncaa cctttnggcn acccnaaaaa ttncccnggg gaaattggtt ngtaaaaaaa 120

cccttcaaca aagaaaatgc tcaaaggtcc ctgaacacca aagttgctgg tcacattgct 180

agtgatggga agctcggtcc actcgtagat gaccaaggcc ggttcttcaa gccacttcan 240

ggagattctc gtggcgaaca cgaggctaag ttctatgagt ctttcacatc gaacatgaag 300

gttccagatc acatccatag atacttcccg gtgtatcacg gcactcagct aattgaagca 360

tccgatggat ntggcaaact tcctcaacct ggtcctgatg atgttgtttc aaggtacgca 420

aanccgtccg taatgggatg ttnaaattgg atttaaggac atnggacccc gatgtntcaa 480

aagaata 487

<210> 4915
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-A10

<400> 4915

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tacgagtttc tgagtgagat tgggctgact tctcacaact tgggatctta cgttgctggc 180

aaatggcaag ccaacggacc tcttgtttca actctcaatc ctgctaacaa tcagccaatt 240

gctcaagttg tggaaacttc tcnagaagat acgaacaang nttgaaaagc ttgccaagga 300

acaactaaaa taaggatgca agttangggt cccaaagana agtgatatcc tcaagacaaa 360

atgggggatg cactaaagat tcnaaacttt gactaatcnt gggcgtcctc cntccccttg 420

aaa 423

<210> 4916
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-018-Q1-E1-A11

<400> 4916

tttangcgcc agtacggaan agnatcccgg gncgacccac gcgtccngaa aaaccctaga 60

aaccattact tatctctccc actggctctg tctctgtcaa atctcggatc gatttcgcgg 120

tgggctcgat tcgtgattcc tcaaagttca tcatccctaa ggcactgtca cttaatggca 180

tcggaatcga aaagctacgc taggagagat cgtcttcttg agattgaggc cactgttcga 240

aagtggtggg aagacgagga tgtattcaga gccgaatctt gtgagaatct tccaaaacca 300

ggagaaaagt ttttctcaac cttccctttc ccgtatatga atggttatct acacattggg 360

catgcctttt cattgtccaa ggttgatttt gcttctgctt accataggct aagaggagct 420

aatgtgcttc ttccatttgg tttccattgt actggtatgc caattaaggc ttctgcn 477

<210> 4917
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-A3

<400> 4917

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ataagctcac tgacgatcag attacagaat acagggaatc tttcaggtta ttcgacaaga 120

atggtgatgg ttccattacg aaaaaggagc tcggtaccat gatgcgttca atcggtgaaa 180

aaccgacaaa agctgatctt caggacttga tgaacgaagc ggatttagat ggtgatggaa 240

ccatcgattt ccctgagttc ttgtgcgtaa tggctaagaa tcaangtcat gatcaagcgc 300

cgcgtcacac taaaaaaaca atggcggata anctcactga cgatnagatt acaagagtac 360

aaggaatctt caaggttant cgacaagaat ggtgatgggg tccaatacga aaaaaggact 420

cccttacgtt atgttttccc cccggtaaaa aaccggncna aaacctgttc ttcangacat 480

gatgaacgaa attggattta aatggtgatg gga 513

<210> 4918
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F12

<400> 4918

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cccncttcan gcttagccta tcatgagcaa catccctaga tctctcaccg actcagatct 120

ttctctattt actctcataa tctcttctgc tgttgatcct tggccttttt ctatcaccgt 180

tttttagcat caacaaaact caccggaaaa tctctaacaa ccaccaccgt ttaacacttc 240

tcttcctcct cgtcgatcgt ttttaaacca atctttgtgt ttcttgtttg gtttttcggt 300

gaaaaagatt ccttcttctt aatgggtttt gaagaaaacc aaaaacagag tccaaaacag 360

agtccgaatc atatcaagca tatggtgttc aagttccact tccatgttcc tcatctccac 420

atactccctc atcatcaaca ccaacaccac catgatgttc ctaaan 466

<210> 4919
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D2

<400> 4919

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tcgattgctt caattgaagt ttctccgatg gcgcaagtta gcagaatctg caatggtgtg 120

cagaacccat ctcttatctc caatctctcg aaatccagtc aacgcaaatc tcccttatcg 180

gtttctctga agacgcagca gcatccacga gcttatccga tttcgtcgtc gtggggattg 240

aagaagagtg ggatgacgtt aattggctct gagcttcgtc ctcttaaggt catgtcttct 300

gtttccacgg cggagaaagc gtcggagatt gtacttcaac ccattagaga aatctccggt 360

ccttantaag cttcctgggc tccaaagtcc ccatcaaatc ggattctgct ctcgctgctc 420

cgtctgaagg gaaacaactg tantggacaa cttgttgaat aaccgatgac atcaaattac 480

atgc 484

<210> 4920
<211> 482

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D5

<400> 4920

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ccctcttcac aacaacagct tcgtattcgc tcatcttctt cgctttctga tcttggaaat 120

cgcaggcatt gttcgtctac tcgaggattt caattttggt catnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna 240

ccggcggttc gtatttccga cgggaatcta atcatcaaaa accggacgat tctaaccggt 300

gtaccagata atgtcatcac gacgtcagca tcggaagctg gaccggtaga aggagtcttc 360

gtcggagctg tatttaacaa gggaagagag tnaacacatc gtaccgatcg gtacgcttcg 420

caattcccgg tttaagtcct gttccggttt aagctctggt gggatggcca anagatggaa 480

aa 482

<210> 4921
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D6

<400> 4921

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tcggtttctc tcggcttctc caggaaagtt ggcggcggca gagcagtggt cgttgcancg 180

gctacggtgg acacaaacaa catgccgatg accggagtcg tgttccagcc tttcgaagag 240

gtgaagaaag ccgatctggc cattccaatc acatctcatg cctctctcgc tccgcagang 300

tttgccnacg ctagcgaagg actcattaat gaacaantca atgtggaata caagtctcca 360

atgtgtacaa tcaatgtacg catactttga caagacaacg ntnccaatga aggantagcc 420

aaattttcaa ngaaaca 437

<210> 4922
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D7

<400> 4922

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gtggatcttg agaaccattg agcaaacttg gaatttgttt aacaaaaggt tcattgcgct 120

atgggatcaa aacaaagatg gaccaggcga agcatacctt gcagatatct ataacaatac 180

cgaggttttg aagtttgttc aagaaaacta catgaggaat ttgttgcatg actcactcgg 240

attcggcgct gcaaagatga ttaggagaat tgtgggagtg gcacatgttg aggactttga 300

atcaatcgaa gaagataagc gaagagctat ttgcgagaga agtgcactcg agtttgcgaa 360

gatgcttctc aaggaaagga naaagtttaa gaantatccg gtgaaanttg ttcaagcaat 420

tccaacaaca aagctaaaga acaantttaa aatggttcnt ccggctgaag ttcttgaaaa 480

gtcctggttt t 491

<210> 4923
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D9

<400> 4923

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caagaacaac nnttcctcaa cnatttcaaa attnncgggg ttggtttgaa ggcaactaac 120

ggtcgtccct ctccgtaaac cgtctccaag gatcatcaan cttctcaatt tccgaaagca 180

ttttattcnc taataggtaa aagttatgta attttcgttt acaaacaatg ttgaaattgt 240

agaagttgga atttagaaac tgctttttat caattcatta gcttttgtag tatagtcaat 300

ggtgggattc attagctttt gactcaagat ataaagctta atatatattg cataccaagt 360

gttcgatgat atgcctaaat gaantctgtc cacaaaactc cttgaatttg ngtttaattt 420

caaagaaata tgtaatgctg tgaatccaaa tagtagagtt tcagtcaatt ct 472

<210> 4924
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-E10

<400> 4924

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tcngatgaaa ttacnaacga cnctgcnccn ctttatcgga gctctcatct tctccggcgc 120

cggtactgtc agatccgatg cctccgacca ccgttacaag ggacggtgac tccgttcctc 180

tctacgccaa caaggtcggc ccctttcaca atcccagtga gacgtatcgc tatttcgatc 240

tccccttttg tattccagag ggtgtgaaag ataagaagga agctcttggt gaggttttga 300

atggggatag gcttgttagt gctccataca agcttaactt tagagatgag aaagactcag 360

aggtgtactg taaaaagaag cttaatagag aagaagttga acactttcga aagaactgtt 420

gaaaaagatt aatactttca aatgtataag atgatttgcc taattgggga ttcattggga 480

aagt 484

<210> 4925
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-E11

<400> 4925

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cgaatccaac tactggatgc cagaagaagc tcgagatcga cgatgaccag aaactacgtg 120

cgttttacga caagagaatc tctcaagaag tcagtggaga tgctttgggc gaggagttca 180

aaggatacgt tttcaagatc aagggtggtt gcgataagca aggtttccca atgaagcagg 240

gagttttgac tccaggccgt gttcgccttt tgcttcaccg aggaactcct tgcttcagag 300

gacatggaag gagaactggt gagaggagaa gaaagtctgt tcgtggttgc attgtgagcc 360

cctgatctct ctgttctgaa ccttgtcatt gtgaagaaag gtgagaacga tctcctgggg 420

cttaccgata ctgagaaacc aagaatgaga ggaccaaaga gagcctccaa agattcgtna 480

a 481

<210> 4926
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-E12

<400> 4926

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aanataattn aacncttgtt tttttcaaaa gtcatagtcc ttgaacaact tcttaacttg 120

ttcaagcgta acaaacaaaa ccaccgtgaa cggtgcttgt ctcgaaaccg tcgggataaa 180

acctttatac aaagacataa tcccttccgc tttcaccgtt ttcaaagcac aatcaaccgc 240

tcctttatac ggcggagcaa ctccagccac caccttcata ttcatcactc tcgtcttaat 300

cacatcaaca ggattactcg caacgctcgc aacaaacccc gccgcgaaac tcgccgacac 360

atgagtccca agcccatctt tgaacaaccc tttctccaaa atcgtctctt taacagaatc 420

atacgaagcc aactgcgatg acgtcacaaa gcattgcctg tttatcgtca 470

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<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4927

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gcctgcttct actcgagttc cttctcagag aattacacct cacagtgttc cttctccaag 120

accaagttca ccaagaggtg cctccccaca agccatctct tcaaagccgc cttctccaag 180

agcagagcca ccaacattgg acactccaag acctccctct ccaagagctg cttctctaag 240

agcagaccca ccaagattgg atgctgcacg acccaccacg cctaggcctc cttctccact 300

agcagacgca ccaagattgg atgctccacg acccactacg cctaagccgc cttctccaag 360

atcagacccg ccaagattgg atgctccaag acccactacg cctaaagccc ccttctccaa 420

gatnggtttc tcctaaggct gtngagccgg cgggaagatt gtttataaga acaagaagcc 480

aacgcttccg gtcaaa 496

<210> 4928
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4928

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aaagcaaacc tgaaagacgt cccacaaaac acatgcccac tccagctcaa tggactaacg 120

cattcaatcc tgcattttcg tattatgtct actattgtta tgctaacctc tatgtgttaa 180

ataagcttcg agagtcaaag ggcatgacta ctatcacgct acgaccacat tctggagagg 240

ctggtgacat tgaccacttg gctgcaactt ttcaaacatg cnatanantc gcacatggat 300

tcanccngca aattcncggt gtncattatg gtaaacccnc caatggtcng gaattcccag 360

ngcaaaatcc ttgttnnant acacggacct tnctgttttc aaaaggcnag tttcttgtna 420

ggagcccttа atc 433

<210> 4929
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4929

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gtattgggaa tgcgtttttg agctgatctt atacgtctat tcaggtttag ctcagtctag 180

aattggttgg cttgggaaag gtcgatgaag aacgggatgg ctgagtgcag cgtatgtcgt 240

tcaaggttgg tttctcccag tagcaaagct atttcaaggg cttatgacaa ctacaactac 300

aagattagag tatcctcaaa acaacgagct ctcaatgtct ttttggtatc ggtgactgca 360

tgctagttgg tctacagccc gtctaagtgt acatgtccaa aagtggatgg aaagttcaaa 420

cttaatccta ttaacgtca 439

<210> 4930
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F1

<400> 4930

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tttctttgga gatgaaaaga ttcgagaggc caagaacttc gattcactcg cagccaagga 180

ccagtaccag ttcaggtaag aaagatcaga agccgcgtag tagtagtagt aaaggatctg 240

gtgtgaaacc gttgaatgcg gctcagctgg tttctagagt tttagatgca acaaacaagc 300

tctgagccct tccttcaagt cccctggtta actgattcaa actaactggg atnaagaagt 360

ccctcctgaa agtcctatga gaaatggtga aatgttgcat tacaatggga tgatgcctaa 420

tgagaaatcc aagaactgaa tggcaaanct agtgggttgt gaanaaaaa 469

<210> 4931
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-F10

<400> 4931

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anaacccccc ttnccccccc tnnattngta aaatttgaaa atttggaagg aaaaaaagga 120

agaaaaantg ggagaagatg aagagtatgc aaatggggtg tgattgggag cattgtttct 180

atcaagttgc atcttctgtc tccattgtca tttgcaacaa agctttgatg accaatcttg 240

gtttcccttt tgcaacaaca cttactagtt ggcatttgat ggtaacatat tgcacacttc 300

atgtggcata taaactaaac ttctttgaga ataaaccaat agacatgaga actgttgttc 360

tctttggcct cctcaatggc atttccattg gtctcctcaa tctcaagcct cggctttaat 420

tccatcggct tctatcaaat gaccaaactt gctatcatac cattcactgt tcctttaaaa 480

ancctcct 488

<210> 4932
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D12

<400> 4932

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tccggagaag aatggagagt acaggcaaat gcttattcaa gccatccatg cttgtgcagt 120

taagttcccc gaagttgcaa gcacagtggt ccatcttctg atggatttcc tgggagatag 180

caacgtggct tcagctcttg acgtggttgt tttcgttaga gagataatag aaacaaatcc 240

caagttgaga gtttcaatca tcaccaggtt gttggacacg ttctatcaga tccgtgcagg 300

aaaggtctgc ccttgtgcac tttggatcat tggtgagtat tgcctatcac tttcagaagt 360

tgagagtggc atttcaacta ttacacaatg ccttggcgaa ttaccatttt actccgtttc 420

tgaagagtct gagccaactg agacatcaaa gaaagattca acctaactcn tccgccaagg 480

tgt 483

<210> 4933
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B4

<400> 4933

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gcatcaacag tctcattctc attgatcttt ctttttttgta gcgagaaaga tncatttttt 120

tcggttcgtt ctcttctggg ttacgaatca aagagctaca cagacacaga cacacactgt 180

ttcctgtttc tccccggatt gcaaacagaa ctagggtttg ttttcacaaa ttttggatct 240

ttttttttgaa gaaaagaaca aaatttggat gaaaggaaac cagaaagact cgtcggaaaa 300

accgatatgg gatcggagct catcaagtac atctataccc ggaatgtggt ctttaacccg 360

acccggtcca aaacttaagg gttggcttat ctgttcattg tcttcactta cattatcnac 420

atgc 424

<210> 4934
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B5

<400> 4934

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tagctgcggt taggctagct aactgtgcag ccttcccaat ggttttcaaa gctgccatcg 120

agctcggtgt catcgacact ctctacttat gctgctcgtg atgacgtcac cggatccagt 180

tccttcctca caccttctga gatagctatt aggctcccca caaaacctan taaccctgaa 240

gcaccagctc tgttggatcg tattcttcgn ttacntgcta gctactccat ggtcaaatgc 300

caaattatcg atggtaacaa gagtctacat cncananccc attttgtccg ataattcctt 360

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<210> 4935
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B7

<400> 4935

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caaggccatt gaggaggtag aagaaaaatt tactagcgaa tcagactcta ttgcagactc 120

ctctaagtta gaatctgtgg ataccagtgc tgtagagcca gaggttgtag ctgccgagag 180

tgggagtgaa ccaaaggatg tggaaaaagc caacggattg gagaagggta tgacttatgc 240

tgaagtaatc aaggcagcta gtgcagtagc tgacaatgga accaaagagg aggagagtgt 300

gctcggtggc atagtcgatg atgcagaaga aggtgttaag ttaaacaaca aaggagactt 360

tgtggtggac tcatctgcta ttgaagctgt gaatgtagat gtggcaaagc caggggttgt 420

tgttgttgga gacgtaaggt gagtgangtg ctggaaactg atggca 466

<210> 4936
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-C10

<400> 4936

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gacccgtcgg tgattcttaa tctctcctct ctgttcttct ccgatcaaac ctcattccaa 120

agaaacaaac catggatctc caaccagaag agcttcaatt cttgacaata cctcaactac 180

ttcaagaatc aatctcaatc aagaaacgat ctccaagaac cttctacctc ataaccctct 240

ccttcatctt ccctctctcc ttcgctatcc tcgctcactc actcttcact caaccaatct 300

tagccaaact cgacaaatcc gacccaccaa actcagatcg ttcacgtcat gattggactg 360

ttcttctaat cttcaagttc agttacttga tnttctcctt ggcttcctct ccttctctca 420

accgctgctg ttgtcttcac ggtcgcttct cnttacaccg ggaaagcct 469

<210> 4937
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-016-Q1-E1-C12

<400> 4937

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tcttccccac tggctccttt gagagaatgg aagaggaagg agatgtagca actgctttta 120

ccatggcaag gattgtctct aatatcccca tttcacgcgg tggtccgact agtgttgtca 180

tctatgacat tcacgctttg caggaaaggt tttactttgc cgatcaggtt cttcctttgt 240

ttgagactgg aatcccgttg ttgactaaac gccttcaaca gcttcctgaa actgagaaag 300

tcatagttgc atttcctgat gatggagcct ggaagcgttt ccataagctg ttggatcatt 360

atcccacggt tgtgtgtaca aaggttcgtg aaggcgataa gagaatagtc aag 413

<210> 4938
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-C3

<400> 4938

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ttgcaggana tgatgctccc agggctgttt ttcccagtgt tgttggtagg ccaagacatc 120

atggtgtcat ggttgggatg aaccanaang atgcatatgt tggtgatgan gcacaatcca 180

agagaggtat tcttacnttg aagtatccta ttgagcatgg tgttgttagc aactgggatg 240

atatggaaaa gatctggcat cacactttct acaatgagct tcgtattgct cctgaagaac 300

aaccctggtt cctccttaac ccgagggctc ctccttaaac cnaaaagggc caaacaataa 360

gaataaagaa tggaactcca aaattcaatg tttttggana acccttttaa antcctcccc 420

ggctaatggt tnntgttcgc ccaatcccaa aggcctggtt tctcctcccn 470

<210> 4939
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-C4

<400> 4939

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gtcgccaatc aanaaggtca aacactttac ggaccttgac cagaaatgtg tcaacacgat 120

ccgaacgctg tgtgcggatg tcgtgcagaa ggcgaacagt ggacaccccg gggcgcccat 180

gggatgtgcc ccgatggccc acgttctctt caccaagtgc atgaagttcg cgccgtccca 240

ccctcactgg gcggaccgtg atcgctttgt tctctctaac ggccacggtt gcgctctgtt 300

gtatgcgctc ctgcacctca ctgggtatga acgacccacg atggacgact tgaagaaatt 360

cagacagctt tgactcggtc acanctggcc aacctgagcg caaccacggt cttganggta 420

t 421

<210> 4940
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-016-Q1-E1-C8

<400> 4940

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ctccgccatt gcttctcgac ttgcgtctga tatcaccggc cgagtcgagg attgaaacgg 180

attcgggtca gatctggaga cgaatcaatt aatgaataat taatcttttt tttcttaatt 240

cagtgttctt gtaggatgca gaccatcttc tatcggtgct ccttttttcat ttgaaccgtt 300

ggcttgtgtt tggtctttgt gtgttgtaaa ctctaagttc cctttctgtt tcttctgtaa 360

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cctaa 425

<210> 4941
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-C9

<400> 4941

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ggtcacccac cgctctaact tcccttccac cttcaccttc ggcgtcgcca cttccgctta 120

ccagattgaa ggaggttgga atgaaggtaa aaagggacca agtatatggg ataagttcac 180

tcatatcgaa gggaagattc ttgatggaag taacggcgat gttgctgtgg atcattacna 240

tagatacaan gaagatgttg atcttatang acaattagga ttcggtgctt acagattttc 300

tatatcttgg tctcgaattt tccctgatgg cctgngaact gaagtcaatg aanaagnatt 360

gctttctaca acgatcttnt taatacacnt cttgaaaaag gtattcagcc gtatgtaact 420

<210> 4942
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-D5

<400> 4942

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gagaatgtct cgtttacgtg atcttagtct caacaactgc aataatctgg tatcactccc 120

ccaactttca gattcccttg attacatata tgcagataat tgtaagtccc tcgagagact 180

ggattgttgc tttaacaatc cagagatccg tctctatttc cccaaatgct tcaaactgaa 240

tcaagaagcc agagatctca tcatgcacac ttgtatagat gcgatgtttc caggtacaca 300

agtgcctgcc tgcttcattc atcgagctac ttctggggat tccttgaaaa tcaagttgaa 360

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aat 423

<210> 4943
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-D6

<400> 4943

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gacagatgtt acctatgtag ctgaagccat tataccttta tttgaaaccg caaaagagtt 120

gatcttacgg aaaatgggag acgacttaga ggtgcaagag aagccggcgt tgattctatg 180

ccatgttttc agaagggttg atgaaccttc tcttctgtca gctgcatcta agtttgggtt 240

taagcttgca gacagatggg ctgcaaattc aaaggaatct cctattggga acatcattga 300

cagttggttt tccgaaaagg atttggtcgc agaaatcccg agttctgcgt tgcatattct 360

ctattttcag atggagtaac tatgtggtag aggagcaaat gttgattaac tgggagagtt 420

cttttatatt aaaaaatccc tcattgaatc ccaaatcaat gaatgtccta catgtattcn 480

tcc 483

<210> 4944
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4944

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ctgaacaact taagacaatt tgtgagatac agccgtctaa agcaatttgc tttaagggcg 180

cttgctagca cacttgacga ggcagagatc tctgacctca gagatcaatt tgatgcgatt 240

gatgtggata aaaatggcgt cattagtctt gaagagatga gacaggcact tgccaaagat 300

cttccttgga aactgaaaga ctcacgagtt gctgagatcc ttgaagcggt agttatattt 360

ttgttttcca ttgcaattgc atctctgggg gtatcagagg gagacgtagt ttcataatga 420

gccgttgtgt acttgtatcc ttgctggtca cagattgata cancactga 469

<210> 4945
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-E10

<400> 4945

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tccgaccacc gttacaagga aggagacacc gttcctctct acgccaacaa ggtcgggcca 180

tttcacaatc cangtgagac gtatcgatat tttgatcttc ccntcggtnt cccacatggt 240

gtgnaagata agaatgaagc tcttggcgag gttctaaacg gngatcggct agttagcgct 300

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<210> 4946
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-E12

<400> 4946

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tatcgccctc aaaacagacc agtgaagaag aagggatctt ancctttgaa gccaggtgtt 180

caaggttttt tcatctcttg cgatggcgga cgcgaattcc aagctgctca ggaagctatt 240

aacgtcattg attcctttt cgaggagcta atacaaggga ctgactcgaa agtgaatcct 300

ggtttgtttg gtaatccaat aaacaaaaaa gttacatttt cgtatagcga ggatgaggat 360

gangaggaag atgagagtaa taatggcgag gaagaaggaa aacataggan atgggggata 420

aggcagtagt gagtgaangc ggtaatgatc taattgaatg agaaaagaaa 470

<210> 4947
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B3

<400> 4947

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ggnngcacga cggtgctcga tcaaggcgtt ggctangccg tgattcntgg ttttggtgct 180

ttctttgccg tnttcacatc ttttttggta tggttaaaaa aacgatatgt gggagctcgt 240

catacatcgg aatggttcan tacatcngna agatcgtttc gacaggactt attgcaantt 300

gtcattgtat cacattggac atgggctgng accatactgc aaagtttcaa acgtacatgg 360

nntatggggt tagtgggacg ttttggtacg ctagtggagc cacatacatg tgctgttgt 419

<210> 4948
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-F12

<400> 4948

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ttctcctggt ccttttcttc acaaccagta cgatcagcag cactacgctc cgcctggtat 240

ctccgctcaa ccatctccgg tgactcagca gcaacaggat gtgtcttcct cttccgccgc 300

gactaacttg catcctcaag agaacgctgt cttatcccan gccaactctc aatctacaat 360

ccccccgttc caatcacaat cccggtacgc acancctc 398

<210> 4949
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 4949

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ctaggactgt acctcgtatt ggggacagaa gaatcaggaa gatattggct tctagacatt 180

ggaaaggagg ttcaaggcat tcagatacga aaccgtggag aaattattac ttgcaccagc 240

agaggagcta tcctatcaag aaaaggaaaa actttgacca catatctgat tccgttactg 300

atgattaccg tatgcgtact aagatgcata gaggtagtag aaaaggtcaa ngggcatcct 360

ttgtggcaag cgactcccat gtgaaactac nggtnaaatc gttcaaaggt gcctgaacct 420

ttcaa 425

<210> 4950
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-G11

<400> 4950

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tccaatcttc ctcaccagat gctacctcca cgtcagcaac tacaaacatc tctttcgctt 180

gtatcttcag atccccactt gtcacggtct aattctggca ttgtgcgtga atcaccagct 240

gaaagtgcta gctctcaaga aacttggcca acctcaaaat ctattatggg aaggaagaca 300

gatagcggaa agacagggcc tgactctcat gatcaacatg tgatccgcca tgtttccatt 360

gctgataagg tatcgctacg ggacatagct agagagagac ttgacatagt cgctganaaa 420

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<210> 4951
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-G9

<400> 4951

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tctggtaggt tctacgttta gggatcgtag cagcgtcacg acgcatgatc aggccgtacc 180

ggcgtctctg tctagccgga ttggtttgag gagatgtggt agatctcctc cgccggagag 240

ttcgtcgtcc gttggagaaa ccagcgaaaa cgangaagat gaagacgacg ccgtttcgtc 300

atcacaagga agatgggtca attcgtttaa gttcanctttt gggaaagaat ccccttccga 360

ttaagaaaan ggattatcaa accaattaca ttagggaaat ccgaaatccg tttgggaant 420

ta 422

<210> 4952
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-H12

<400> 4952

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agattcttcg gtgaacggtc acatttcgtg ctacacgacg ccggagggat tcatgaggaa 120

gtgttcgagg ttttaaagcc atggattgag ctagggagag tgacgttaca tgatattaga 180

gatcaagaac gattcgatgg atattatcat aatcagttca tgatagtgaa tgattgtttg 240

cataggtata gattcatgac gaagtggatg ttcttctttg atgttgatga gtttttacat 300

gttccagtga aagagacgat ttcgtctgtg atggaatctt tggaggaata ttcncagttt 360

actattgaac agatgcctaa gagtatcnga tttgttaatc ccgtgatggn 410

<210> 4953
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-016-Q1-E1-A11

<400> 4953

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tctttcttct tctttatcat catttgagct ggttttggta tctctcctga cgaatttgaa 120

tctctcagcc attttctctt ctcgcatctg tgttttcgtg cttggagctg tacacgtttc 180

tttaatttga atagtgattt tgcgttcgtt aattagcctt ctcgtacgag tgggctattt 240

tgggaatgat ttaggtggtt ttaagttact gggtagtagt cactgctgag cgatttctgt 300

ttctcctgtt gaatgattga ttcagaaatt tgaaattcac atcgaaacca aatcttaaat 360

catattggta gctttttttt tgttttgtga ttagatactg ttttttttata gtattaa 417

<210> 4954
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-A2

<400> 4954

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gtcgacctac angctcaatc acactgattc atttgcaaat ggagatgcan agagtttgtt 120

gccgaaccca ganaatggtt tcactcattt gacttcactt gctcaatcag agaaggctgt 180

tcaggagctt cttcttcaac agactcctat gcaggctact gacgaccatc tcgttgagtt 240

ctctgaggct ttgagaactg ttgcaaaggc actaagggga gctgctgaag gaaaggcgtt 300

ggctcaagct gaggctgctg aatggaagcg tagatacgag ttatngaggt ctaataacgt 360

ggagttgcag cataaagaac tgtcaaatgg agtgtgtgcc gatgaatcta atgggtcaaa 420

ggatggagca cttan 435

<210> 4955
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-A5

<400> 4955

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ccgtcacttc gccttcttct ccttccgatg tcaaaggaaa atctgacctg aaagactttc 120

tggcaataga tgattttgac acagccacca ttaaaacgat tttagacaag gcttcagagg 180

ttaaggcctt gctgaaatca ggggagagaa attatctacc ttttaaaggg aagtctatgt 240

ctatgatctt tgcaaaacct tccatgagga ctcgggtttc gtttgagact ggtttttttct 300

tgctcggtgg ccatgcgtta tatctaggtc ccaatgacat tcagatgggt aagcgggagg 360

gaaactcgtg atgttgctcg tgttcnttca cgctataatg acatcaataa gggtccgtgt 420

att 423

<210> 4956
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-A6

<400> 4956

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gaagctcttc gtcacgcatc tacaatggca tcgatgatgc aaccgcagat catactgctg 120

aaggaaggga cggacacatc tcagggcaaa gcgcaactag taagcaacat caacgcttgc 180

actgctgttg gagatgtagt tcgaaccacg ctcgggccac gagggatgga caaactcatt 240

cacgacgata aaggatccgt caccatttct aacgatggtg ctaccatcat gaagctcctc 300

gacattgttc atcctgctgc taagatcctc gtcgatatcg ccaaatccca agactccgag 360

gtgggtgatg ggacaactac agtggttctc ttgcagcaga gtttttgaan gaagcgaagc 420

catttattga aggatggtgt tcacgctcag aatctaatta gga 463

<210> 4957
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-A7

<400> 4957

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tcctctttca atcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn ctcctctcgt ccagtattag ggttttaaag gcaagaacta 180

ctagaacaag agaaggtaca aaaaaaaaat gtcgggcctc catcgatcat caagttcatc 240

gaagaacatc ggaaattgcc ttccctccaa agaactcctt gatgatcttg cagtcgattt 300

gttttgaatg tccctgaaga agatnaacag tcattncaag aagaattttg gtttctgggt 360

ggaagtaatg cttaantggt aactaangaa ngataatgct ggnnaagaat gatncaanag 420

cttaaagtcc ctgtcctttg aaaanaa 447

<210> 4958
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-A8

<400> 4958

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cttttctcag tttctgctcc gattcgtata tcttctgttt cgtacgantg ttgtaagacg 120

tttgttttgc ctgagactag aggtttgtca tggatatana tcttcgacta cattcaggtg 180

acctttgcaa aggagatgat gaggatanag gacttgataa tgtgttacac aatgaagaac 240

atatggatat tggcanaatt gangatgttt ctgttgaggt taatactgat ganagtgtag 300

gcatgggtgt tccaactggg gggatttggt tgagtacact gaagggtatg aatcntgaac 360

ctcntaatgg tatgg 375

<210> 4959
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B1

<400> 4959

cgcccacgcg tccgcccacg cgtccgttga aaatcactcg ccgtgtctct ctaagcttct 60

tcttcactgt gaaaacctca gatcgcaaat atgcacgcac cggtactcgt tctgagcgat 120

tcgttgaagc gtgaatctgg aagtaaggtt catcatggta atatccaagc ttccaaggct 180

gttgctgata tcattcgtac aacattgggt cctcgttcta tgttgannat gcttcttgat 240

gcnggtggag ggattgttgt tacantgatg ggaatgctat tcttcgtgag gctatatgtc 300

gctcatcctg canntaaagt caatgattga gtntgagccg ttngcaagaa nntagaantt 360

tgggttatgg ggacaaggnt cngtttagtg nttcaancct gggtgacaat gcttcacgtt 420

tgca 424

<210> 4960
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-B2

<400> 4960

agctccttga agaagatgag gatgaatcga tgcattcagg agctgacgta gacgcgttcc 60

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acccaggaaa caaccattct tccaggcagc agttttcgac atggaagaat ggtattggag 180

attctaatat caatgtccag actcagcata gccttgaaag tactcagatg aaggagcaag 240

aaggatcgac tttagaaaat caacatcaac atgatttgaa acgcgcaaat gaacctcatt 300

tacaacacaa ccagcctcaa gacttcatcg anctggtcaa ctctggggag atccctcgca 360

agtccccaat caactggggt taccgattag tgaaaagaat cctactgggt 410

<210> 4961
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-F10

<400> 4961

gaaattccac tcgcacggca cggtcagcac acncgggncg acccacgcgt ccaacttttc 60

ccaccaaacn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnaa tgaaaggtcc gtaaggggaa gaagacagat gattgcgaaa gagcaagacg 180

aatacaaatt acgccaacaa ggtcttgttt ttcaaatggc ttctcttttc ctctctttcg 240

attactcctt actcttcttt tggttgctct tccgcgtttt cttatacgag aatcacgaac 300

gaaaactcca gattttctag cacacctctt ctctctgcat cgccatcttg ttttttcccc 360

caaattttcg attttttttt ttgtataact tttgagattc tgatagattc ggtacggagt 420

catgtatatg gagaattcnt ctgcttccga tgaatccatt gcctacgtt 469

<210> 4962
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H10

<400> 4962

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gaaaaaaaaa aaatggcgtt ggctcttcgt anactctcct cttccgttaa gaaaccgatc 120

tcgcttctct cctctaaggg cggttcactc cgtttcatgt cgtctttatc aaccgcagct 180

atggcggaat cggngaaatc tcgttctagt tggattaagc aattgnatgc atctctagat 240

gaaatcgatc ctgaagttgc ggatattatc gaattanaga aggcnataca atggaangga 300

tttgaactta taccgtcaga gaanttcact tctctatctg tgatgcaagc cgttggttct 360

gttatnacta ataagtataa tgaaaggata cccggagcta gatataatgg ngggaatnga 420

gtncattgac atggctgana cattatgtca a 451

<210> 4963
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H2

<400> 4963

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gtaaacaact ctttggttga gctgagtaat tacaaccaag aaaagagaag agtttgnccc 120

tgaatatgac aatgatgctg agcaactctt ggcggagatg gagttcaaag agaacgatac 180

tcctgaagaa catgaactga agctgcgtgt gttgcgtatc tattcaaaaa ggcttgatga 240

gaggaaacgt agaaaagaat tcataataga aagaaacctg ttgtacccaa atccctttga 300

gaangacctg tctcaggagg agaaagtaca atgccgacgt ttggacgttt ttatgcgttt 360

cattcanaag angagcacga cgagctactc cgtaatgttg taaaccaata ccgcatggtg 420

aaacggctca aagatntcaa ngaaactcaa ttgcaaggtg tccttcaacg ggtgaaacaa 480

ataa 484

<210> 4964
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H3

<400> 4964

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cagttcaccg gcatttctct cttctttctt tttctccgac tagatttcct tgtctctttg 120

gtttcttggc gatgggagac gagaagccgg tgattgttat ggccaatcga gaaagagatc 180

gagagcttct gattcccgtc gctgattccg gcgacaaaga cgacggnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcatcaatc cagccacgag actttaagct 300

tgttcattag gggctgggcg tcaaagaagt tcatgacagg ctgtgttatc ctacttccta 360

ttgcaattac ttttctatat aacatgggtg ggttaatcaa ctttgtccat nggattccnt 420

cctcctccaa ataataatgg cacaaacttt gggaatcaaa cn 462

<210> 4965
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H4

<400> 4965

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gacatgctct ctttttttctc taaccagatc gaccggcann aaagatgtgt ctaatganga 120

aaaaacccta accaatctcg annaatntgn cggttcacaa ttccctggcg atgactaccg 180

tccgtccgat cggaaaaact ggatggctgg tcttacgttg gngaaactaa ctctaaacaa 240

gatcgtgtgg ccaggaacgc atgattcagc caccaacgat atcggaatac ctctgatttc 300

tcgtccttta actgaatgcc aatcgctctc tatctacnaa caactcgtcc tcgggacacg 360

tgtcctcgaa atccgtgttc aanaagnttg ccaaatctgg caaggggaat ncggacgtca 420

aaagaaattn aagttggcaa ntggagaagt tntcaaattc ctggccggag aatcaatnc 479

<210> 4966
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H7

<400> 4966

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ctttggccat ggtgttggtt tataatcaag ctctcttgct cgcattcttc gcattgcttg 180

gattccagta ctttccttta ctcaccgaag caggttgtcc attggacttt acttcatcta 240

acttcactct agtggcttcc gtatgctcga acaacaccga gagagctaaa tgctgccgct 300

acatgaatgc tttcgttgca atatctgtcg cccgctatgc aaactacaca gctgatcttg 360

gagttacatc agatttgact gaaatctgta tcactactat ctctagaacc atggagcttt 420

atggaatccc aagaaatgct accatcttct gtggattagg gaccaagatt cttgttaact 480

atgattgtga gggtctg 497

<210> 4967
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H8

<400> 4967

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gacaaaagtc tctatacctt cttgtaacgt ggtggttaat taatcatggc cgatcaaatc 120

tccggcgaga agccggccgg agttaataga ttcgctcttc aatgtgctat cgtcgcctcc 180

atcgtctcca tcatctttgg ttacgatact ggtgttatga gtggagcgat ggtgtttata 240

gaagaagatt tgaagacaaa cgacgttcaa atagaagttc tcactgggaa ttctcaacct 300

tttgtgccct tgtcggattn attgctcgcc gggaagaacg tccggacaat aaaccgggac 360

cgggcggtta caacaaatcc gtccttnggc ctcaataaca attcaaggtt tagggcccna 420

anaattgaan ggggttgggg gtccggaaat ttacccgggt tcccccaaac ccg 473

<210> 4968
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H9

<400> 4968

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cttctgttgg tggtggngat ctaagttttc aaaagaatcg attttgccaa gtgggttctt 120

cttgataacc tttcttcttc tttgaaatgg gttcttctgt ggagcagaac attcttgtta 180

ctggtggtgc tggctttatc gggacgcata ctgttgttca acttctcaaa gatggtttta 240

aggtttcgat catcgataat tttgataact ctgttatcga agctgttgat agagttaggg 300

agcttgttgg tcctgatctc tccaagaagc tcgacttcaa tctgggtgat ctaagaaaca 360

aaggggacat tgagaaacta atcctcaagc aaanatttga tccgtgaatc aatttgcggg 420

tcctaaaact gtggttaaga attgttgaaa cctccgcgca cttgacataa c 471

<210> 4969
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-A10

<400> 4969

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aatattaaca gttatagctt cgtgacttca agaaatatcc atttcaagat tatttaacct 120

ttttttgtct agcaagtcat cgtattctac tttgttgttg caaatgggaa gttcatgttt 180

acctccaggg ttccggtttc atcctacgga tgaagaactc atcgaatatt acttgaaaag 240

aaaagtcgaa ggtctcgaga ttgagcttga agtcattccc gtcatcgatc tttatagttt 300

cgatccttgg gagttaccaa gacaagtcgt ttctcccaaa ccgggacatg gaatggtact 360

tcttctgctc aangggacaa aaaatatcct aatgggtttc gtacaaatcg aaggaacaaa 420

aggn 424

<210> 4970
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-B11

<400> 4970

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ggctgggaat ggctggtaaa gaggagactg atgtatctgc acaagggtct ttaaccaggg 180

aggccactga gatatggagg agtgagttgg aatctcgccg gtttcaggta gatagtttag 240

aagctgaact tgtggatgtc aaggcttacc ttgagtttgg ctcagaagaa gatgccagaa 300

aggagttagg agttctttcg ggtaaggtca gatcgactgc aactatgttg cgttatttga 360

gatnaaaaag ctanaatcct tgggcaatcc tgatgatcta acaaatgtgt catgcngtgt 420

ggaaa 425

<210> 4971
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-B12

<400> 4971

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tccaaagcca gaaccttggc tctacccaat atcggtttcc tctcgtcttc ttccaagtct 180

ctgaggtcgc ttactgccac cgtcgctgga aatggcgcca ctggatcctc ccttgccgct 240

cgcatggttt cttcgtctgc ggtcaaagcc cctgtttctc tcgattttga gacatctgtc 300

ttcaaaaang agaaagtttc tcttgctggt tacgaaagag tacattgtga gaaganggaa 360

aaaacttgtt caagcatctc caagatgctt tcaaggggat taancagatt g 411

<210> 4972
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-B9

<400> 4972

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atcagcaatc tttttggcag ttcagcgacc agctgagagt tcagacaccg aatctagcga 120

atctgtctct caacgactcg atctggagca caaactctgt cttcaaagag cgtcgaaact 180

tagacatagc cgccaccacc gacaagaaca acaaccagat cgactattat cagaagaaga 240

caacttccga caacatcaat tccaactgga actggaagtc ttctggttca aacaacgaca 300

tgggtttagg attcggacct gtgggttcaa aatccaccgt cgatttaaac ccaatcgaca 360

aattcaactc ancgttcaac gacacgtggg aaattcaact cagtcaacgt taacgttaac 420

<210> 4973
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-D10

<400> 4973

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gattcgatgg gtaagaacga ttttctaacc ccaaaggcga ttgcgaatcg aattaaagcc 120

aaaggacttc aaaagcttcg atggtattgt cagatgtgtc agaaacaatg ccgagacgag 180

aatggattca agtgtcattg tatgagcgaa tctcaccaga ggcagatgca agtttttggg 240

cagaatccga ctcgtgttgt cgatggttac tctgaagaat tcgagcagac gtttctcgat 300

ctgatgaggc ggagccaccg tttctctcgt atcgctgcca ctgttgtcta caatgagtat 360

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<210> 4974
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-D11

<400> 4974

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ttggcgcggc tgctttcagt cccaatcctg acgagcgcag agctgctgag cagagcctta 180

atcagttgca gcacactcca cagcatttga taaggatatt gcaaataatt gttgatggtg 240

gctctgatct ttctgtacgc caatctgcta gtatccattt caagaatttc attgctaagc 300

actgggaacc tcattctggt gaccaagaac ataatcttgc caagtgataa gaatgttgtc 360

aggaancaag attcctgtaa tttgtcctca aagtgccccg antttgaga gttaanatgg 420

ggaaga 426

<210> 4975
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-015-Q1-E1-D9

<400> 4975

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agccccttta gaacagtgga gaaagatcca cacagataaa aaaacgggtg agttttatat 120

caaatagacg aaaatgcccc tgtcggcgac ggcggataca agcaagacgg tgaagctgga 180

gaggtacaat agctacctcc ggaagattca cagcaccaaa gttctcaacg cttcttctaa 240

agttcttttc cgagcaacgc ttctcgtagc tcttgtcctc gtcctcatct tcgccatcaa 300

ctaccctcca ctctccgata gccgcgccgc cgcagcacac canctccaac gtcgtagctt 360

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ggaaaa 426

<210> 4976
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H1

<400> 4976

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tccagatgaa gtagcggacg aagttctcgc cttgacagaa atgagtgtga gaaaccatac 120

cgagaggagg aaactaggtt actttacttg cggaacagga aaccctatcg acgattgttg 180

gcgatgtgac cccaattggc acaagaaccg taaacgccta gcggattgcg gtatcggatt 240

tggaagaaac gcgatcggtg gtcgtgatgg acgattctac gtagtcactg acccaagaga 300

cgacaatccg gttaacccta gaccggggac tttacgtcac gccgtgattc aagaccgacc 360

actatggatt cgttttcaaa cgtgacaagg tgattcaact aaaacaaaga gcctaacgtt 420

aacaatttca aaacgatnca aggacctngc gcaaacttca acaatgctaa acggtgggtg 480

catcaccaat caattttgtg acnaatg 507

<210> 4977
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H12

<400> 4977

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ccggtggtct cttctattat ctgtttggct acgcctttgc ctttggatct ccgtccaatg 120

gtttcatcgg taaacactac tttggtctca aagacatccc cacggcctct gctgactact 180

ccaactttct ctaccaatgg gcctttgcaa tcgctgcggc tggaatcaca agtggctcga 240

tcgctgaacg gacacagttc gtggcttacc taatctattc ctctttctta accgggtttg 300

tttacccggt cgtctctcac tggttctggt cagttgatgg atgggccagc ccgttccgta 360

ccgatggaga tttgcttttc aacaccggag cgatagattt cgctgggtcc ggtgttggtc 420

aaaanggccg aggtat 436

<210> 4978
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H3

<400> 4978

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agggagcctt ggcatgacat tcactcccgt cttgaaggtc caattgcttg ggatgtcatg 120

tacaacttcg agcagagatg gagcaagcag ggtggtaaag acattctggt taagttgaga 180

gatcttagtg atattattat caccccttct cctgttatgt tccaagagga ccacgatgtg 240

tggaatgtcc aattgtttag gtccattgat ggaggagctg ctgctgggtt tcccgagtcg 300

cctgaagctg ctgcggaagc cgggcttgta agtgggaaag ataacatcat tgataggagt 360

atccaagatg cttacattca tgcaatcaga cttctaagga ttcatcctac nttnaaaaca 420

antacttccc ttgggaattc cttttgcctt gggcaaccga tgggaattaa ctccctgaag 480

gacatcnatg cccctgcaac nttaatccca aaaag 515

<210> 4979
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H4

<400> 4979

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caagagagcc aaagccaagt actctctgct cttaaaaccc taacgtatct gcgataaacc 120

ctcgcgcctt tgctaaaata gctgccttta tataacttag ccgccacttt aattctcgaa 180

agtcatgttc tttcactttt cttcgctggt tcttcttcgc gctctctctt cttgccatgg 240

ttggatttcc cgctaatcaa gcaaaaaccg ttgaagaaga gctacctttg caagtcgtag 300

ccgatcaaga ccccaaggta aaaactttca aggactcttt tgatttccct tccatcgatt 360

cctttccgga tttcgattct atcacttggc ctgagataaa ccgggaacgt tgaggattta 420

anaatagaag ataccggcct tggattcctt tgngttacaa catgggggaa acctccagaa 480

anagttggta accggtaacc angtt 505

<210> 4980
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H5

<400> 4980

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agcaattttt caatttcgtt tgcagaaaaa tggcaaagga taatgaagca atcgccatta 120

acgatgcggt tcacaagctt cagctctata tgctcgaaaa taccactgat cagaaccagc 180

tcttcgcggc gaggaagtta atgtctcgat cagattacga agatgtcgtc actgaacgag 240

caatcgctaa gctctgtggt tatactcttt gccagagatt tctcccttcc gatgtttcta 300

gaagagggaa gtatcggatt tcgttgaagg acataaggtt tacnatttac aggagacgag 360

caaantttg ctcgcctggt ggttnaattg atancaaaac ntttccggga attgcaaaag 420

gccctanatt ggatt 435

<210> 4981
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H7

<400> 4981

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aaccctagta gttattatag catccatcgc tttcttcaat cgccgtccat cagagtttca 180

agggatttgc tttaaagatc aatcctttcc taagaaaata gcgacaattc atcagctttt 240

cctttcccat ccttcattac cttaacttac tcgagattca tcttccagct gaaattgtga 300

aacttcgttt ctgggttttt atcagaaaac actctgtgac tattgtgtgg tgatcgagga 360

aagaaaaaag atggttggtg gtggaacagg agagatgang gatcnatgcc natcaanaaa 420

acaacttgtt ggcngctttg gaaaact 447

<210> 4982
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-A1

<400> 4982

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taatgcttcc aagttagctt ttgaaaaata tgtcttctcg aaaacctcca agaccaatgc 120

tcgcacagaa gctgagatca cactgttgga gagtaatatt gttgtctata agtttgccca 180

ggacctgcat ttctttgtta ctggaggtga aaatgaaaac gagctcgtct tatcatctgt 240

tcttcaaggc ttttttgatg ctgttgcgtt acttctgagg aacaatgttg aaaagatgga 300

agcccttgaa aacttggatc tcatcttttt gtgccttgat gagatggttg atnaagggat 360

ggtacttgaa acagacgcca atgttattgc ngggaaagtn acaatgcaaa acgcaaaaac 420

aagtgggtca ntcnccgaac aaacattaac tcaag 455

<210> 4983
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-A3

<400> 4983

ggncggacgt ntcggacaca caacgggtgc gcggcccgcg tccgccaacg ngtccgccca 60

cgcgtccgcc cacgcgtccg caactttcag ccaacaaaat tagggtttca agctgagatt 120

ttctacttct gttacacaaa aatacccaat gagtaaagct tcggtgatcc tatacattac 180

ggtaggaatc ctggtgctct tcctcgtctc ttattcaccg aagaagaagg gtgaccacga 240

tcaccaccat ggtggtcaca atcaacatca ccgcttaaaa ctccggtctt ctttcaattt 300

caaacccact cgtcacgatc cagttccgtt tgatcctctt gtcgccgaca tggagcgccg 360

ccgcnaggga taagggagtg ggaagcgaca agttcatttg aagcattcct caaccccggg 420

agcttgtcct cctcaattcc tcaagaaaag aaaacaaccc gggtgggtgg gnccattgaa 480

acatggcaac ctgggtcaac gaaatccgca ancctgaag ttgggaaana aatt 534

<210> 4984
<211> 486
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-A4

<400> 4984

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tcgttctgct tgccctttct cgagccttaa tgagaatcta gcgcttcaag agaagttgtc 120

acagtatctt gatgtggtgg agctgcatct tgtgaaggag atctctgtga ggtctgattc 180

gttttttgag gctcaaggac agttacagga tttgaatgtg aagattgttg aagggttgta 240

gtaggattcg tgagttgaaa agagactatt cggctcctgg ataaggaatt tggtagattc 300

aactcgacaa gattcaaaga actgaactca actaaggatt aatatgcctg ggaacctgca 360

aacgttaaat taaagaactt aaattttggt angtttaaac caaagctcct ctcctggcaa 420

ctcaaaaatt gccttggttt gcccttccgc aaaanttgtt cctgggaacc ttttgggaaa 480

aaaaac 486

<210> 4985
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-A8

<400> 4985

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ccaaaccgcc ccccgcccca atcaagtacc agttgcttcg cagcgcgggt agcctactta 120

ggttaggagg gcattgcccc tcagttctta ctaacctccg gtgtgtaatc aacatgttgc 180

tagcttcaac tcggttgaat aagaatcatt gattctctct cctgtccatt tcttattcat 240

tcanggcgct cggccggtgc tcctttctca aancaaaacg actctgaacg ttanggaaga 300

taagaccacc tgagcgaacc gatcaaaggg acttgactta tccgaaccga acgatagcag 360

cttaaactta aagctaagcc tctcacgagc agcgtcgctg cncnggggag gatcatctca 420

aagtatgggg caaaggatna agcgctttta ctttgtctcc cgggatcaac acaggttggg 480

ttgaaaa 487

<210> 4986
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-A9

<400> 4986

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cattgacgcc ctaacaanaa gacgcccggc gaagtgtatt cgtcactttc tctaagtttc 120

ctgtnaaccc ancccactca aacganatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnngtg gcggaccggt tttgtggttt tttatttgaa cattcccgat cttgccctga 300

gttccacgat cagtttcttt aaaccctang ttttacacaa ncattcngtt tctccagatt 360

atcgcagact ccttcgttct attccttgga agtttgtaaa aggnaattcc ggtaaattag 420

gggttgnccg gtgtccc 437

<210> 4987
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B11

<400> 4987

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agaaacacaa gatcgttaaa aagcttttag ctccagatct gtggaaccgc catagctatg 120

gagttttata gaagttctag aagattacaa attcttggat ctgtgattct tctgctctct 180

attcatgtcg ctcactcttt ttaccttcct ggtgttgctc ctcaggattt cgaaaaggga 240

gatgaattga aagtgaaagt aaacaagttg acatctataa agactcagct tccatattcg 300

tattactctc ttccttttg tcgtcctaag aagattgtgg acagtactga gaatcttggt 360

gaagttcttc gtggtgaccg aatcgaaaat gctccttaat cgtttaaaat gcgtgaggng 420

caaatgttgt aatgttctcn gtccgtgtta agcntgatgc aaaagtctgc caaagc 476

<210> 4988
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B12

<400> 4988

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cgtccggtaa cggatctgta cttaatggtc acttgagact tccttacgct accaaatggg 120

acgcttctta nttctatctt aagctaagat ggaacatacc ctgtggncca aacagtgtga 180

ttacattccc gggagctgtt tggttaaagc catggtactg gtggtcatgg cctgttcttc 240

cactaggttt ctcatggcac gagcagcgtc gcgccactat agggtactca gccgaaatgc 300

ctttggttat aatccaagca atgttttacc ttggaatcat agtggttaca cgactanctc 360

gtcctaacat aaccaagcta tgttatcncc gctctgaccg caacttaaca acgattcaag 420

ctggttttaa gttgatcgcg cttctctctg taattgcaac ctacatcctc ncattcctca 480

acatcc 486

<210> 4989
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B2

<400> 4989

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ctctttctca gagtctcaag catcattttc ccgagaaaac tatgaattca aacattttcc 120

caccatcgaa acaacaaaac gagcttaata atatacanna atccttctca aatctccaat 180

ctcaatgctc caatttactc ctcaacgttt cacaaaccct taatcctctc ttcaacgcca 240

acacgaacaa caacaaacct aatatattct ctgctctcaa ttcgtttcgt gatcaagcta 300

agcaagcttt agattctaga atctctcgat tcaattctgg taaggcacct gtctgggcga 360

gaatttctga cgacggtggt ggtgcgaggg ctcaggtgac gggttccgat tcgcggaagc 420

cggaaaagnt taacctggct gatggctaat ggaggagaag attgggcggg aagtttccng 480

tttaagcngt tggagttaat t 501

<210> 4990
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H11

<400> 4990

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tgatgcggct cccaaacaat cgaaattgga cttcacggat tccatcgatg aaaatgggaa 120

caatgatcat gtagatattg tggctgctga ccanggagaa agtatgatgg acaaggaaga 180

ggttttcagc agtgatagtg aaagtgaaga tgatgacgaa ccaggaagtg atgagaagcc 240

tgctcaggct aagaaaaagg gatggttttc ttctgttttc cagagtatta ctgggaaagc 300

gaatcttgaa aggacagacc ttggaccggc gttgaaagct ctgaaggaac ggctcatgac 360

caagaatgtg gcanaagana ttgctganaa gctttgcgaa tccantggna actantcctt 420

gaaaggaaan aaatttgtcc atcctttcac caggatntct tcaaaccgtt tcaaggaan 479

<210> 4991
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F7

<400> 4991

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cccaaagcca agaaccctct tgacttgcta ccaccaagcc ctatggttct agatgattgg 120

aagaggcttt actcaaacac caaatctaac ttccgcgagg ttgctattaa aggattctgg 180

gacatgtatg acccagaggg atactcacta tggttctgtg actacaagta caacgatgag 240

aacatggtgt catttgtcac gctcaacaag gttggtgggt tccttcagcg tatggacttg 300

gcacgtaaat actcctttgg aaagatgctg atttgtgggt cagagggtcc gttcaaggtg 360

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gtacgacatg gagctgtatg aattggacta aaggntgata t 461

<210> 4992
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F8

<400> 4992

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gagagatttt ctctctatca tcttatcttc ttccgtgtaa tgctctgagc caaaacccaa 120

taactaaatc aacaacaata tagaagagaa gagaaagatc ttatctttct tctcattctt 180

gagtttagtc ccccacaatg gcgattcgga aggaggaaga aagtagagaa gaacagagca 240

attcgtttct tcttgatgct ctctactgcn aagaagagaa atgggacgat gaaggagaag 300

aagttganga aaactcttcc ttgtcttctt cntcttctcc aattcgttgt ttttgcaaca 360

angatttgtt ctgggaaaga tgaagatttg ggttnnaccc ttctccaaaa gaagaagaac 420

aaaggactca agctgttctc gatgaaggtt tan 453

<210> 4993
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G1

<400> 4993

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gaaactccct aatccgacgt cgttcgtttt aattcagtga cacaatctcc cacatcttca 120

aacccttttga aaccagcgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt cttccatgac 240

agaagcatca cacttggaac gcttatggga tttagtttca ctgcaactat gccgatgcca 300

tttagagcct cttcacgccg ccacgtgtca ccttccgtcg caatctcacg agcttctagc 360

tccaatgcaa agacgcaacc accaagaaga aaagcgtcct cccttcaaaa ttccggtgaa 420

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atgaacgaan gcccgcccgg aaattggaat ccaa 514

<210> 4994
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G10

<400> 4994

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ggcgtcagca aaacactgcc gtctgttccc ttcagtccct tagcgccccg ggacgggagt 180

gggggacggc tctacgcgca ggcaacagca gcaccggctc cacgaagtct gaatcgaatc 240

tttctgttgg ctttcccaaa ttcattcgta aatcaaaatc aaagggctag aagcgagcgc 300

ttctagctgc ttcgcctgct tcttcttatt atggcggcca tgttggcgtg gcgaaaatga 360

acgaaaagcg agatgaacgt gctattttca aatcggattg atagattgat cgttctgata 420

gatctaaaga gtanaaat 438

<210> 4995
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G11

<400> 4995

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cgaccctctt gctggaaaag tcatgattga tggcaaagac atccgccggc taaacctgaa 180

atctctaagg ctcgaaatcg gtcttgttca acaagaacca gctctcttcg cagcaacgat 240

cttcgacaac atcgcctatg gtaaagatgg tgcaactgaa tccgaggtaa ttgatgcagc 300

tcgagccgca aatgctcacg gtttcatcag tggtttacct gaaggttaca aaactccagt 360

aggcgaaaga ngagtgcagt tatcangtgg acagaaacag aggatcgcga tagcaagagc 420

tgtgctcaag aancctacaa t 441

<210> 4996
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G2

<400> 4996

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tttacttttt ttataatcgc aaaaacaaat ttcaatagtt cttgtaagcg caacgtgtaa 120

gtagagacat acacacattt gtagtgtttt gttttgtata ataacatcat cgcatataga 180

gaaaagaagt taagacgacc gtatatatcg ttttgaaaac cgggtcggat aaaaaaaaac 240

cggtttcttt aaccgagtcg gcgcgcatgg agctatgcaa tcaaaacaat cacatcaccg 300

ccgtctcggg cgatccgttg aactggaacg cgacggccga agctttgaaa gggaaccacc 360

tggatgaggt gaaacgaatg gtgaaagagt atangaaaag aagcggtgaa gttangaggt 420

gagactttga cgattggtca agttaccgcc gttgctaaaa gaagaagagg atctacngtg 480

gg 482

<210> 4997
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G3

<400> 4997

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ttctcaatta cgatctatca tcaccagaat ccgttttctc tcttttaact ccgatacaaa 120

acttccgata atcccaaata aacgttacga atttcagact ctttttttcca gtttctgttt 180

gaattcgatt tcgaaggatt agattctccg ttctactgag acgttagaag aattgtggct 240

gttgtcgact gcaaggagag cgcttacttt aattgctgat ttcatgagac gagatggctt 300

tctttaggaa ctactcaaac gatactgtgt cacataatgt tcttgatgaa aatgaggagc 360

ggcaaaatgc tgctactttc agagttcacc ttgaatgaag atgttggatg gtacttanan 420

tgaagaagct ttacatgaac aagggcgttc agtaacaaag tgaccanaac 470

<210> 4998
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G4

<400> 4998

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ctttcctcag ctcacggtga gtctctggaa cggattgtac taatctcatt attttcccgg 120

tttcagaacg atttctggaa cattcattcc acactctgag aagaaacatg agtcacccga 180

gaaatgcaga tgatatattt tctgagttct ttggggtctc tagaccttct ggtccttctg 240

gtcccagaaa tgcggatgat atatattctg agttctttgg ggtctctagc ccttctggtc 300

caagaaataa ggatgatata ttttctgagt tctttgaggt ctctaaccct tctgggtccg 360

agagataagg atgatatatc tgctgaatac tttggggtcc ctaacccttc tgggcaatgg 420

caacaattgg aggcaganaa aggaagaagt ggtggtggtg gcacaatgca tcacggtggg 480

agctaaggaa ggcanctccc tgttgaaaaa 510

<210> 4999
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G6

<400> 4999

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gaaagaccag tgatggctga taatggcgtc caacaggttt ctcacgacga tggaaggaac 120

attgtttctt cgtcttatag ttcttccgtg gttccttctc ctgatcccgc tccttattat 180

aacgttcttc aaacccctac caatctctat cactacgatt gggatatcgc aaattctggc 240

tatgcacaag gcatcaatac ttgggatgga tatccacgat atgctactac tacccctgaa 300

gccatgcatg tgccaccggt tgtctacaat gacaattcat ctcttatgta ccaatatcct 360

ggttatggat taacccttat ccttctgtaa tgttggaggg acaaattcaa ntctcc 416

<210> 5000
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G8

<400> 5000

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tatgagtgag gtttcatgta cagttgagag agacgacggt agtagttcaa gacgaatcac 180

caatgctact atctctacac ttaattccga gtcatcagat tcagattctt cagatgagag 240

tgaagtggta caggtctttc aatcttctgc tactccggat gtgaatagta cttatccagc 300

cagttcatct attccccgga cagaagagga ttttgtgacg tggcaagcgt attaacccgt 360

ctagacgccc gtgcgttgct gactcaagaa gtggacctcc taattcctcc atcccaaggc 420

aattaaatcc ggagggatag aacatgttcn tgccgctga 459

<210> 5001
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-013-Q1-E1-G9

<400> 5001

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tcagatcgtc tctccgaaat tttccggtta atcgtcagtt aaggggaaaa ttaggctatg 120

gcgatgttag gtgcacagca agttccagca gcagcttgta ctccagatat ggttgggaat 180

gcttttgtgc cccagtatta tcacatattg catcaatcac ctgagcatgt tcacagattt 240

taccaagaga ttagcaagtt aggtcgtcct gaagagaatg gtttaatgag catcacttct 300

accttgcaag ctattgacaa gaagataatg gcgcttggtt acggtgtaat cagtgcagag 360

atagctactg tggacacaca agaatctcat ggaggtggtt atattgtact ggtgactggg 420

gtatttgacg ggaaaagaca 440

<210> 5002
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H1

<400> 5002

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aactcccaaa atccatatcc tctttaaaac atttttgtcc aaataaaatg ccttcttgtt 120

cggtaactga aatttcaaaa tgtatcgtct atccggagaa gaagtccacc gtctccgatc 180

tccgtctctc cgtctccgac ctccctatgc tctcatgtca ttacattcaa aaaggcgtcc 240

tcctcaccag ccctcctcct tccttctcct tcgacgacct tgtctcctct ctccgccgtt 300

ctctctcctc cactctttcc ctcttccctg ctttagccgg ccgtttctcc accactcccc 360

gccggtcaca tttccattgt ctgcaaacga cgcccgggag ttgaatttcg ttcgccgctt 420

cggcnaaaac acggtnaaaa ctcctcctga angttcccct taacaangtt gaaagaannt 480

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<210> 5003
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-H10

<400> 5003

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gttttcatct tctcagatct cacagaacaa tagtcaaaga ctgatgcaga agaagcgtta 180

gtacaaggtt tttgttggaa agcaattgaa tctgaattca tctttcattt tcacgctttg 240

atccaatttg agttctctct tccactgaat ccctcatacg taaaacctag ggtttctaaa 300

ttagggttct cctgaggtct gtttatagtg cgtaaagcca tgtttaagaa gatcatgaaa 360

ggggcaaatc gaaaagcctc taaagctgag gcgaatgatt cgtcnaagta tgggtttgat 420

caacaaggta ngtcangtcc tggntcaata tgattgtaat cangcat 467

<210> 5004
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F5

<400> 5004

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gccggaccta ccgtcgttgc cgccatcaac ggatctgtaa aagaaatcag attcagaggc 120

gtaaggaaga gaccttgggg acgattcgca gctgagatcc gtgatccatg gaaaaaagct 180

cgtgtttggt taggtacttt cgattccgcc gaagaagctg ctcgcgctta cgactccgcc 240

gctcgtaacc tccgtggtcc taaagccaaa actaatttcc ccatcgattc ttcttctcct 300

cctcctccta atctccgatt taatcagatt cgtaatcaaa atcaaaacca aagtcgatcc 360

gtttatggac caacgggtta ttcaccgacc atcaacaaca gtttcccgan tgttaaccgg 420

gctactaagt agcaagcatg ancaacaccg ttgatc 456

<210> 5005
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D8

<400> 5005

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tctcttgagt gaattagagg tatgttttga gtgttctcat atggagtgtg ttggagatag 120

gagcttcgat ccaagcaaag gggaaaagtg ttggcttcat gaggcttcga tgcagcctta 180

aacgctaaaa tccaggccaa gcaagatgga gatagagaga gatgatgggc aaatcaggtt 240

cgcagcagct gctgatggat gagaagatat atgttgcagt ggggagtgac ttggggaaca 300

agtccactct tgtttgggcg atacagaaca ctggaggcaa ggagttctgt atcgtccaac 360

gttcaccaac cactctacag aaaagaaaan ggaaaagaca caaaagattc tggacaaata 420

cctacaaaaa tgcaagcaaa tgcaagtctg tgct 454

<210> 5006
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E12

<400> 5006

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tcaaatgttt ctctctttat ctgattctgg cggcgattgt aatcggcggc gtcacctccg 120

agtacataga gtacaacaca aaaccgagaa tcgtccctga gaaaatcaat gttcacttag 180

ttcctcactc acacgacgat gtaggttggc ttaagaccgt tgatcagtac tacgtaggct 240

ccaataactc cattagggga gcttgtgttc agaatgtatt ggattctgta atcgcttcat 300

tgcttgatga tgaaaataga aagtttattt atgttgaaat ggctttcttt caaagatggt 360

ggaggcaaca aagcaatgct aagaaagtta aagtcaagaa gcttgttgac tcctggtcaa 420

cttgagttca taaatggtgg aat 443

<210> 5007
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E2

<400> 5007

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cntccgcgca tctacaatgg catcgatgat gcaaccgcag atcatactgc tgaaggaagg 120

gacggacaca tctcagggca aagcgcaact agtaagcaac atcaacgctt gcactgctgt 180

tggagatgta gttcgaacca cgctcgggcc acgagggatg gacaaactca ttcacgacga 240

taaaggatcc gtcaccattt ctaacgatgg tgctaccatc atgaagctcc tcgacattgt 300

tcatcctgct gctaagatcc tcgtcgatat cgccaaatcc caagactccc gangtgggtg 360

atgggacaac tacagtggtc ntccttgcan caaaattttt tgaaaggaac naaaccattt 420

attgaaggat ggtgttcaac ctcaaaatcc aattaaggat tancgcactg caagcacttg 480

gcaattgcca aaggttaaga actccctgtt a 511

<210> 5008
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E3

<400> 5008

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cccacttccc acagagagac acattcatgc caagcaatgc caggtctcgt ctcagtcaaa 120

actccttccg atacaccgcc gctacgtgta gccgtacnng acacgcaacc tctctcaaac 180

ccgccgcgaa ctccgatgaa gaaaaccctt cctctacacc atctcgatnc aaaccatcac 240

caaatagatn caccgggaaa aaagattccc caaccgtatc ctcctccaac gcagccgtaa 300

tcgacgtcga cgattcatct ctagataatc caaatttcgg tcctttcctt ctaaaattag 360

ctcgtgacgc tattgcttct ggtgaaagnc ctaacaaagc attagattac gcgattcgaa 420

gcaactaagt ccnttgagag atgttgcgnc cgccgttgct ccgcctaatc ccggtgggta 480

gcgatnggtg gacctgttcc tgatt 505

<210> 5009
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E5

<400> 5009

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tacccaacaa aagacgatga agaaattgtt ccttccttgg actctagtgc caatcaactt 120

ctctgccaga gatgtcactg ttcgttgaag agcaccagca tcgatgacaa cccaccttca 180

tatacttcta gtcataatcc taagatttgc acaagatagt ttgagctctg tttcaaataa 240

agaagctcat caaggatctg acgagaactc ctctggctcg tgtaatgtca gtcaaagctc 300

tgaagctgac attgtcataa tgaaacaaga tgttcctcta gcaataatag tggaatcggt 360

gcaatggtag aaaaggaaac cgagatccga cttcaantga gaaantcgag ttccccccga 420

gttcaaagat antctggggg atatacaagg a 451

<210> 5010
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E6

<400> 5010

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cctaaaatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnncac cgttaaactt caatacccat ttgtcatttc ccccaaatct ctccgatttc 180

ttaaatctaa tttggattta ctttgcctgt aaaaccattc gcattgttac gcatccgatt 240

ttgcagttcg aaactcgagt tcaacttcaa tttgaggtag atttcgagaa aaagctgaag 300

aatttcggaa caactaagat tttaacggtg gaattgggga gtcttgaagc ttatttttcc 360

tcctgggtct ctttttttctt atgtggtggt gcttgagagg gtttttgtat gatataaatg 420

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aatcctccta actttcctca acaca 505

<210> 5011
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E7

<400> 5011

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gaggggtcga ttcgctaagg atggattgat tcagtatcgt attgtttgcc agcaagtgaa 180

tgtcanttcc ttggaggaag ttatcaagca cttcctacat cttgctactg acaaagctga 240

gcaagctcgg tctcaggcgg atgcccttga ggaggctctt gatgttgatg accttgannc 300

tgataggaan cctgagggat ttacagccaa gttattgtcc anttggggaa aanggggaaa 360

aagatanggt cngaaccggt tganttgggt ccacccccaa ggggtttaaa gttnccnggt 420

gggggaanaa cnttncnngg acaactccct tgaaaatttt tggcnaaann caacctcaaa 480

nagtttggga 490

<210> 5012
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E8

<400> 5012

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atatgttgcg tgcaagcttc atggtttaaa tgctcagtgg agtgaagaaa agaagcaaag 120

ttacatccgc catgccaaca gggaatgtga gatccataaa agtcttgtgc atcaccacat 180

tgttcggctt tgggataaat ttcatatcga catgcataca ttctgcaccg ttctggaata 240

ttgtagtggg aaagaccttg atgctgtatt aaaggcaaca tctaatcttc ctgagaaaga 300

agcaaggatt atcattgtgc anatagttca aggccttgta tatctgaaca aaaagtcaca 360

gaagataatc cactatgatc tgaagcctgg taatgttctc tttgatgagt ttgggagtag 420

caaaagtaac tgattttggt ccaagcaaga t 451

<210> 5013
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-E9

<400> 5013

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gttccaaagg agcagatcgc gactttaata gagcatgggc tttacgattc tgctgaaatg 120

ctcggctgct ttctcgtttc ttctcctact gttagtgccg aaactagtcc tcagctcaag 180

gcggagaatt tgattctact gggtgatgct ttatttcatc agagagaaca ccggagagct 240

attcatacgt acaagcaagc gttgcatcat tacacaagga ttccgaagca aagctccggt 300

atttcgagga gttcattatc tttatctacc agatcatctg tgaatgcctc aagcatttct 360

gctattaatg agaacgaggt gagattcaag attgcttcat ctcactttgc tctaatgaaa 420

caaaagctgc aattgct 437

<210> 5014
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F10

<400> 5014

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gttttgagaa gtaaagctga tggagctagg tctagagaag aagcttttga tggacatatg 120

gctattggta gggttttata tgagcatcag ttgtttaaag aagctcttgt tagcttcaag 180

agagcttgtg aattgcaacc gactgatgtg agacctcatt tcaaagctgg gaactgtctt 240

tacgttttgg ggaaatgcaa agagtcgaaa gatgagtttt tgttggcgtt ggaagctgct 300

gagtcgggcg ggaaccaatg ggcttatttg cttcctcaga tttatgtcaa tctcggtatc 360

gcgcttgaag gcnaaggtaa tggtttgaat tgcttgtgag tattannnan aaactgcaat 420

ccaagtccta ancattttaa a 441

<210> 5015
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-013-Q1-E1-F12

<400> 5015

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taaccatttt ctaaagatat cttttaacga gacaacaaac aacagaaaaa cacacaaaaa 120

cacaaaactt ctgtttccct gtttctccgg attctctccg gctctgagct ttcggcttct 180

cctctccgga gatgttactc tgcttccctc ttttgtgttc tttttgtttt ctgggtgaat 240

attgtatgaa cctttgactg ggatttttcc gaagaagaat cccagacgac gtaatttttc 300

tccaagctat ggctgttgaa gagatggaga agaagatcaa aggaagccaa gagacgggag 360

ctacataaaa acgacttatc aatcgaagac catctccaag atgcgtgctt gaaattccgg 420

taatgagttc agattc 436

<210> 5016
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F3

<400> 5016

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cctccgccgg cgatttcgtc aaatccatta aaagtttcat tgtttcattc tcgaacaatg 180

caccagaccc ggaaaaagat tgtgctatgg ttcaggagtt cttttctaag atggaggctg 240

ctttcagggc tcatccactt tggtctggtt gttctgagga ggaattggat agtgctggag 300

atggcctgga gaagtatgtt atgacaaagc tatttactcg ggtgtttgct tcaaacactg 360

angangttat aactgatgag aaactatttc anaagatgtc attgggtcaa caattcaatt 420

ctcccgagaa nttgggtata caaccaactt tcaaaa 456

<210> 5017
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F4

<400> 5017

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tcatctttct ctctaagaga ttttgtaggt gacaatcaaa agtttgacaa aatggtgaag 120

tttacagctg atgagcttcg aaggattatg gactacaaac acaacatccg taatatgtct 180

gttattgctc atgtcgacca cgggaaatcc actcttactg attctttggt tgctgctgct 240

ggtatcattg cccaagaggt tgctggtgat gttcgtatga ctgataccag agctgatgag 300

gctgaacgtg gtatcactat caagtccact ggtatttctc tctactacga agatgactga 360

tgaatccttg aagaatttca ctgggagcca agaagacgga aacgagtacc tcatcaatcc 420

tgattcanct gggcacgttg acttttcctc cgaagttact gctgctctcc gtatactgat 480

ggtgctcctg tggtggtcga ctgcant 507

<210> 5018
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D7

<400> 5018

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ggagacttct caacctgcac gggtgttgca acattcacaa tgatgcttct cagccaatac 120

gtattcaata agtatggttg gggagtagct gcaaagatca ccccaactgt tctgctattg 180

actggtgttg cgttcttctc tctaatattg tttggcggcc cattcgcacc acttgttgcc 240

aagcttggta tgacaccgct acttgcagct gtgtatgtcc gtgcccttca naatatcctc 300

agcaagaatg ccaagtacaa cttgttcnaa ccttgcaaag aaatnggcta tatcccattg 360

gatgaaggac accaaggtta aangcaaaac tgcgaatgac gtggtctgca anccattaag 420

gaaatcaagg ggancttaa tacancagtt caagatcnta nccttgggt taccaaccaa 480

atcaaagccc tatcctagga atgntct 507

<210> 5019
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-012-Q1-E1-C3

<400> 5019

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acaagggaac attgtcaggg ctatacagtt tctgttacca ccaagggatc aaactcgaac 120

ctcttgcnct acgaatacat gtctcgggga agccttggcg agttacttca cggcgggaaa 180

tcacatagca tggattggcc aactcggttt gctatcgcac tcggtgcagc ggaaggtctc 240

gcttacttac atcatgattg taaaccaaga atcattcacc gtgacatcaa atcgaataac 300

attctcatcg atgaagaatt tcgaagccca tgttgggaga attccgggtt aacaaaagtc 360

atccgacatg ccaactatca aaatccgttc tcaanccgtt tgctggattc taacggttaa 420

atcgctcccg antttgcatn cacaatgaaa gttac 455

<210> 5020
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C4

<400> 5020

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attgcttgct tgctatggaa ttgggtaaat ctcgattcta cttatgttgc aattgcnttt 180

ctcctggtag attttccgat tattccttaa ctggnagtga ttnaccaaga agccatcccc 240

aacaatttca attggnatcc taaaccttcc tcctgaagat tcctcgtaat tcccnattcg 300

atgtttaana acttnaaatt cccctccaaa tcctgaaacg aatttctccc aaaaatctcn 360

gnttcctcaa aaaaaaacaa aaaaacaatg ttgtgtgcat cancctcg 408

<210> 5021
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C6

<400> 5021

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tcaaagatcc gatctcagag ccttcatggt ttacccccan gggngcttnt ctttgtgttt 180

tgtgttgtca acttaatcaa ttatatagat cgaggagcta tagcaagtaa tggtatcaat 240

gggagtcgtg gttcttgcac ttcgagtggt acatgttttc tggcancgga atacagggag 300

atttcaactt gagcaatttt gaagatggag ttctgtcatc tgctttcatg gttgggcttc 360

ttgttgcctc tcctatattt gcttccttag ctaanagtgt taatccgttt aaacttancg 420

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ggtccatcac aatc 494

<210> 5022
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C8

<400> 5022

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cttatttta aatattcaca tacttcaatt ttcatggttt ttatttttt tatctaaaat 120

tatataatat ttgatagaaa aaaaangnng attcgtataa catcatcaga gataatcnca 180

aatacacttc ttcttcttct cgaaatctca gccgttcgtt tgtgtttcat tggctctcaa 240

tcgaagaaaa cttttagctt acaaaatctg ctttgagtag tattgatttt tcaattcata 300

tggaaaatcc tccattagaa tctgagatca aagaggatat gtctttgaag aatcatcctc 360

cagacnagga taangacaaa tacactatca tggaacaacc tagtantcca cgtcatcgga 420

aggttgttgc tagatggtta cctgatgaag cacagangcc aattatcaat gacgctcccg 480

t 481

<210> 5023
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C9

<400> 5023

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actgaccgag tcttcccagc ttccaaacca ccaaccgcca ctaatggagc tccaccagtt 120

ggttccatac cacctcctcc agctccggcg actgtaacca gcaacggaac aacaaacgga 180

atggctaatc agaaacctca agtctacatt ccagctaacc gtccggttta ccgtccacag 240

ccttacagtc gccgtcatca ccaccaatct cgaccaagct gccgacgaat ttgctgttgt 300

tgctgtttct ggtcgattct gataattctg atcttagctc tcatgactgc aatcgccgcc 360

aacgcgatgt acgtgattta acaacctcgt ccgccgtcgt tctccgtccg tcaataagaa 420

tcaancg 427

<210> 5024
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-D1

<400> 5024

gaaaacgcgt ccgggataaa catgccatag gctgcagatg ggtttataaa gtgaagttaa 60

acgcagatgg aagtttagag cgttacaagg cacggttagt tgccaagggt tacacacagc 120

aggagggtgt tgactttgtt gacacttttt ccccaatggc aaagatgact attgtcaaaa 180

cattgttggt tgttgcagca gcaaagaaat ggagtttgca tcagttggat atatcgaatg 240

ccttttttata tggcgacctt gaagaagaaa tttatatgac tcttcctccg ggttacacaa 300

ctaaagaagg cgagactctt ccaacctaaa tgcagtctgt taagtttcca aaatcccccn 360

aanggttaaa acaagcctca agacanttgt ttcccgnaat ttaataacac ttaaagccaa 420

taagaatnca aa 432

<210> 5025
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-D11

<400> 5025

ntaccggtcc acaaatcccg ggtcnaccca cgcgtccgag ananccgctc gcatggtcat 60

ggcagcaatg gcggcggaag atgaagttgc aaaaattgcg tgagtttgta cgttcagaat 120

atgatcactc ctgtttacgc tcctgtcgct cccgagcttt atacgagggt ctgaaggtcg 180

ctgcaacctc cgatttgatg cttgcgtatc tggatttctt ccttggtggg gatgaaaaaa 240

ggacagacct tccacctcga cttcaccaaa ggtttccaat gcccatattg tttggtggtg 300

atggcagtta catggctcct ttctcacttc aaaatgacaa cattcttacc agtctgatga 360

gtcagcttgg ttcgcctact acttggtata anactggtgg ctggtgtaaa tgctcaatta 420

actcttgtnc ncntggcgtc tgagattaac attcaatccg gttctganaa tgggtt 476

<210> 5026
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-D2

<400> 5026

attnttcagc gcctacggtc tttattcccg ggtcncccca cgcgtccgaa nnaatctctc 60

ccaaagccta aagcgatctc tgcaaatctc tcgcgactct ctctttcaag atgcaaatct 120

tcgtgaaaac actcactggc aagactatca ctctcgaggt nggggagcnn tgacaccatc 180

gacaatgtta aggcaaagat tcaggacaag gaaggcattc ctccggatna gcaaagatta 240

atattcgccg gtaaacagct agaagatggn cgtaccttgg ccgattacaa cattcagaaa 300

gaatcaaccc ttcatttggt tntccgttta aaangtngna tngaaatcct tgtcaaagac 360

tntgaatggn aaaaccatta atttgggang ttnagaactc tgacactatt gacaacgtna 420

aaagcaaaga ttcaaggcaa ngnaaggatc cctncgggtt aagcaanana cttacttttg 480

ccggttagca acttttaaga cngga 505

<210> 5027
<211> 483

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-D5

<400> 5027

taccggtaac naattcccgg gnccacccac gcgtccgaac cgttaataat ggctttgttg 60

ctgccggaaa tttccccgtc aacgaagacg gtagctttcg tcggaagaag tcgttcggac 120

aacaagggaa acggagaatg aatcctagga caagtttggc tcagcgtgaa gagatcataa 180

gaagaactgt ctatgtgtct gatattgacc aacaggtcac tgaggagcag cttgctggtt 240

tgtttatcgg ctttggacag gttgttgact gtcgtatatg tggtgatccc aactcagtac 300

ttangtttgc tttcatcgag ttcactgatg aagtgggtgc aaggactgct ctgaatttgt 360

ctgggacgat gcttggattc catcctgtga aagttatgcc gtctaagaca tctattgcan 420

cggttaancc aaccttcctg ccaagggact gaagattanc gtgagatgtg tgcaagaact 480

atc 483

<210> 5028
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-D9

<400> 5028

ttcttgccgn tccctaccgg tccanaaatc ccgggtcnac ccacgcgtcc gtattactcc 60

gacaagtgcc gtgtaattcc tcgccctcgg ctactctttt ctcttcttgc ctctcgtctc 120

cgccgctgat tcagctgccg ccgacaaagg aatatggaag aaaaagatgt gtatacgcaa 180

gatggaactg ttgatattca caaaaatcct gcaaacaagg agaaaaccgg aaattggaaa 240

gcttgccgct tcattctcgg aaatgagtgc tgtgaaagat tggcctacta tggcatgggc 300

actaaccttg tgaattatct tgagagccgt ctgaatcaag gcaatgctac ggctgcaaat 360

aacgtcacga attggtctgg aacatgttat ataactcctt tgattggagc cnttaaaact 420

gatgcntacc ttgggacgat attggactaa tgcaactttt gtttcatcaa gtctcggtaa 480

gactct 486

<210> 5029
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-E4

<400> 5029

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gaacaaatat ctagaagcca tgagcaataa gttctctgta gggatgagat ttaagatgcg 120

ttttgaggga gaggattccc ctgaaagaag angggntggg ncggttattg gtgtgaaaga 180

ctgctccccc cactggaaag actcaaaatg gcgatgctta gaagttcatt gggatgagcc 240

tgcatcgatt tcaagaccca ataaggtttc accatgggaa attgaaccgt ttgtnaattc 300

agaaaacgtt cccaaatcag ttatgctgaa aaacaaaagg ncccgtcaag ttaatgaagt 360

atctgcactt gatgtnngca taacagcttn aaacctttgg ngctctgttt tgncgcaaac 420

ccatgagttt gcacaatcgt gnatcaactc acagtggngt tctcctcaac aatgttatcn 480

tgatgcaa 488

<210> 5030
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-E5

<400> 5030

gtaccggtan ccaaattccc gggncnaccc acgcgtcnga aaaaaccaaa aatgttattt 60

ctttcaaact ttctctcatc ttccttctta atattttcat cgtagccacc atcgcagccg 120

cagcggccgt taacgccggt accaaaggtt nggattctcg gccgtccaaa accaggcgtc 180

cctggccttt caagaagctc aacaaaccgg tggttttaat gatctcttgc gacggtttcc 240

ggtttggtta ccaatttaaa acggacacac caaacatcga ccttctcata tccggaggaa 300

ctgaggccaa acacggttta atcccgggtt ttccccacaa tgacattcca aaacaactac 360

tctatcgcaa acnggactcc naccgggtta acaacgggta taatcatgaa caaagtttaa 420

ccgattccgg gttacgggaa aaagngttca acaaanggnt aacaaccaaa attgggggnt 480

aaggtaaacc gctgttgg 498

<210> 5031
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-E7

<400> 5031

cggtaccggt aaccaaattc ccgggnccac ccacgcgtcc gaatgagatg gagagagcac 60

tgcatgacgc tttatgtatt gtcaagagga cccttgagtc caacacggtg gttgcgggtg 120

gaggtgcagt tgaatcagca ttgtctgtgt anctggagca ccttgctaca accttgggct 180

ctcgcgaaca attggccatc gctgaatttg ctgatgcgct attgattata ccaaaggtgc 240

ttgcagtaaa cgctgctaag gatgcaaccg aattggtagc taaactaaga gcgtaccacc 300

acactgcaca aaccaaggct gataagaagc actattcaag catgggactt gacctcgtta 360

aacnggaaca tccgcaacaa ttttggaacc tggattgatn cgaaccaagc tatgaaccaa 420

anttgaaaat tancantttg caacaagaag ggaanccatt aacnaattcc aacnaanttg 480

acaacatgat ttaaaactgg tg 502

<210> 5032
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C11

<400> 5032

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gaaaaaaaaa gtcttcttct ttttttacaa gtctgagaat tttctacaga aacaaaaatc 120

tgattgtttt tcccactttg catctgtttt gnggatgcca gctacggatt ttcaaggatc 180

atttggaagg tcgttgctaa gtttacggcg agaccaagtt gactcatcaa cagtcgtctc 240

cggaagtagt agccaccacg agccaagcac catggaggtt gagctagatt cgtttcaaag 300

acaagtcgct gagaaattca tcgatctcaa cgcttcttca aacgaccttc tctctctcga 360

atggatcgga aagcttcttg attctttcct ctgttgtcaa gaagagtttc gagctatcgt 420

attcaaccac cgatctcaga tttccaaatc ctccgatggg accgtttgat tcaaganta 479

<210> 5033
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A1

<400> 5033

gnaccgacaa gtgncgtnnt attcctccnc ccccggtaac cctttnccct ncttgcctct 60

cgtctccgcc gctgattcag ctgccgccga caaaggaata tggaagaaaa agatgtgtat 120

acgcaagatg gaactgttga tattcacaaa aatcctgcaa acaaggagaa aaccggaaat 180

tggaaagctt gccgcttcat tctcggaaat gagtgctgtg aaagattggc ctactatggc 240

atgggcacta accttgtgaa ttatcttgag agccgtctga atcaaggcaa tgctacggct 300

gcaaataacg tcacgaaatt ggtccgggaa caatgttata taactccctt tgaattggag 360

cccttaannc ctgaatgcct aaccttggnc caaaattngg ccaattgcaa ctttggtttc 420

aaccaaagtc ccccggnaan gacccttttg acaataacaa n 461

<210> 5034
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A11

<400> 5034

cagcggtcca gaaatcccgg gtcnacccac gcgtccgnat gaaagagact ttgatgggac 60

ttggagaaga gaaaagagaa gcgataaggc aattatgtgt ttggatcgat caccatagaa 120

gtcgttgtga atatcttgag gaggttttgt ctaagaccgt tgtggctcga ggccaaagaa 180

gagtgtcgca gcgaacttaa ggactcagtg ccatggtttt ggactctggt caatcaagaa 240

gctggtggag aggtattttt ggttggggac ttttggtgta cttgtgttcg attttgttgc 300

actttttatat gtttgttaac ttttgttgta ttttgtaagt caaaattttt ggtttattgt 360

gggcaaagtt ggtggtggtt tttatgggaa gtcagggaat aaaaggggct cacacaaatg 420

gagtttgata attttttttc cttgggcgtc cggattgtat aaaaacgaat taaat 475

<210> 5035
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A3

<400> 5035

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cctncccggc ttcgcccccc catttcctng tgagataaag gcggagtctc tctccagtta 120

ttttgctcat ccatcgattc ttagagttca aaatggttga tcaagttcag caccccacta 180

ttgcgcagaa agctgccggg cagttcatgc gttcaagtgt ttccaaggac gttcaagtgg 240

gttaccagag gccttctatg tatcaaagac atgcaaccta cggaaactac tccaattctg 300

catttcaatt tcctccgaca tcccggatgt ttggcaacaa ctggcttctc cccgtgnttt 360

gtccaaaccc caagagaaaa aggggtcant aactttggcc cttgaanttc ngaatgggtg 420

gngtttccng cngccgtttc caaaaatgnt gctgntccca atggaantgt taagcctttg 480

gttcaaaacc aagn 494

<210> 5036
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A5

<400> 5036

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tttctcttac acacatatat atatacatat atagagagag ngaagaggac aaagagttga 120

aagatgaaga ctctcatgtc ttcatagaaa caagtgatat gtgcgctnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

ntgaaacttt gggagcatcc ggtaacgntt ggttcnggtt cacnaccttc cccaaagaat 360

tcgtttcccc aaaaangnct caactccaac taacnncatt caancacatt tntnagtttc 420

tcctccttct cc 432

<210> 5037
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A6

<400> 5037

tcaaatccct agattgactt gctcaacggc gatttcatct cgataattag ccaatgtctt 60

caccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnttt caccggtgcc gacgccgata ccgtcacttc ctgatgattt gcttgtaagt 180

atcttcgcac gagtctccag attgtattat ccgattctct ctcttgtctc caagagcttt 240

agatctctcc tccgttcacc ggagctttac gagacacggt cactattagg ccgaaccgag 300

agttgtctgt atttgtgttt acaggaggga aatcctgatn cgaancctct ctggttcact 360

ctctgcatga aacctgacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

tcaagtggta atcttttgat c 441

<210> 5038
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A8

<400> 5038

gaatctttag atcgaattca agaggttcca catgaaggac caatgtgtga tctcttatgg 60

tctgatccag atgaccgatg cggttgggga atatctcctc gtggtgcagg cnacactttc 120

ggacaagata tcgctactca gtttaaccac accaatggac tctctctgat ttcaagagca 180

catcaacttg tcatggaagg ttttaattgg tgccaagaaa agaacgttgt gactgtattt 240

agtgccccaa actattgcta ccgttgtggc aacatggctg cgattctaga gatcggtgag 300

aacatggacc aaaatttcct tcagtttgat ccaactccac gtcaagtcga acccgaaacc 360

actcgcaaga ctccagatta ttttttgtaa gtaccaaaag aactaaagct gcaattccac 420

acactagctc ttcgtctctt ttgcttc 447

<210> 5039
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-A9

<400> 5039

gaatcatctt cttcttcttc aaacaaaaaa tgggtttctt aaagttatct ccaatgatcc 60

ttctcctagc aatgatcggc gtttcatatg ccatggacat gtcaatcatc tcctacgacg 120

aaaaccacca catcaccacc gagaccagcc gtagcgactc ggaggttgag agaatctacg 180

aagcgtggat ggtggaacac gggaagaaga agatgaatca aaacggtctt ggtgcagaga 240

aagatcaaag attcgagatc tttaaagata atcttcgttt catcgatgaa cataacacca 300

aaaacctcag ttataaactt ggtttaaccc ggtttgctga tttaaccaat gaggagtacc 360

gatctaagtt acttggggct aaancgacca aagaaggttt gaaaaccaat gattcggtat 420

caagccntgt tggtga 436

<210> 5040
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-B11

<400> 5040

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tcagacagtt tgatatggtt aatgactgct cggaccatca tttcctttct tcggataaag 120

ggttggctca gtcccaggtc acaaagagtt gggtgaagaa agtccagcaa gaatggagca 180

atttggaggc aaatcttccg aacacgatat atgtgcgtgt gtgtgaagaa aggatggacc 240

ttctgcgtgc agccctggtt ggtgcccctg gaacgccata tcacgatggg cttttctttt 300

tcgacataat gcttccacct caatatcctc atgagccacc aatggtacat tatcattcag 360

gtgggatgcg actgaatccg aacctgtatg agtcaggaag aatttgcttg agtctgctga 420

atacatggag tggctctggc actgaantat ggaacgcagg gagctcctcc atccttcaac 480

ttc 483

<210> 5041
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-B12

<400> 5041

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atcttagttt ctccggcgag agattgcttt tcaggaatca tcatggtgag aaagagaaga 120

acggatgctc catctgaagg aggtgaaggc tctgggtctc gtgaagctgg tccagtctca 180

ggtggtggac gtggttcaca gcgaggtggt ttccagcagg gaggaggaca acaccaaggt 240

ggaaggggtt atactcctca acctcaacag ggaggtcgtg gtggtcgtgg atatgggcaa 300

ccaccacaac agcaacaaca gtatggagga ccacaagaag tacaaaggaa gaggaagaag 360

gaggactcct catcaaggga ggtcaagaag gttatgccgt tggcnttgga ggttggncct 420

tcttctggac aacgcaaaag acaatcaa 448

<210> 5042
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-B7

<400> 5042

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aggaacggcg tttaactatt tttgaggaca acctccgttt tatcactaac cggaacgctg 120

agaatctcag ttaccggctt ggnttgaatc ggtttgcgga tttatctctc catgaatacg 180

gagaaatttg ccatggggct gatccaagac ctcctaggaa ccacgtcttc atgactagca 240

gcaaccgata caagactagt gatggtgatg ttcttcctaa gtccgttgac tggagaaacg 300

aaggcgcagt gactgaagtc aaagatcaag gccttttgca ggagttgttg gggccttctc 360

cactgtggga acaatgggaa ggcttaacaa gaattgtgac tgggagaacc taataacttt 420

tgtcctganc aagaatttga ttaaattgtt acaanngaaa acaaatggtt nccggaggag 480

<210> 5043
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-B9

<400> 5043

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cgcagctgct ttgattaact cttcaggtcc agcttaagag ttttgtgaag atggtcttag 120

tgctatacga gacagcggcg gggtttgccc tctttaaagt taaagatgaa ggaaagatgg 180

ctaacgtcga ggatttgtgt aaagagttcg acactccaga ctcagcacga aagatggtta 240

agctaaaagc ttttgagaag tttgacaata catctgaagc tctcgaagct gtggctaaat 300

tgctggaggg agctccaagc aaaggtctgc gcaagttttt gaaagctaat tgtcaaggtg 360

aaaccttggc tgtggctgat tcaaagcttg ggaatgttat caagggagaa actgaaaatt 420

gattgcantc acaacaatgc tgttatggag cttcaactng ggtaaaaatc 470

<210> 5044
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C1

<400> 5044

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aatgaggttt tccaagtctc tcatcctgat taccttatcg gctttggtca tttcnnttgc 120

cgaagctaat gatccaagtc cacttcaaga cttttgtgtg gccattggcg acctcaaaaa 180

tggtgttttt gtgaatggta agttttgcaa ggatccaaag caagcaaagg cagaagattt 240

cttttactca ggcctcaacc aagcaggaac cactaataat aaagtcaaat ccaacgtgac 300

aacagtcaat gtcgatnaag atccaagggt taaacacttg ggaaaaaccc ttggccgcat 360

agactaatgc gccaaaatgg caaaaacccg gctcaaaaaa aacctccgtg ncaatgaaga 420

ttccttggtc cctggttnaa ggggaacaat taaa 454

<210> 5045
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-C10

<400> 5045

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cttctctccc cgttgccgtc cgtccccacc gctgagtgat agatcgaaac agagaaacac 120

acacggcgaa gaagatttca ccatattttg tctaagtgga ttcngttgag agagagagat 180

ggctatgtct caggtggtga acacgtaccc gctttcgaac tacagcttcg gaactaagga 240

acccaagctg gaaaaggaca cctccgtcgc cgaccggctc gctcgtatga aaatcaacta 300

tatgaaagag ggcatgagga ctagcgttga agggattcta ctggtgcaag aacacaacca 360

tcctcatata cttctgctac aaattggtaa cacattctgc aaacttcaag tggacgcctg 420

aagcctggtg aaatgaactg atggtctgaa aagaaactga caattaactt ggagggaatt 480

cggtgct 487

<210> 5046
<211> 686
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-H8

<400> 5046

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ggggaaaaag actantccgc tccagaaaaa gaaattaaag tcaaggggcc ctccccgcat 120

tctctcccta aggaccaata aataaactga cgaagtttgg gccccagcat tcaaatactc 180

tcccgctctg ctcccgaaaa ttttttaag cagacttaat actacctaca ctctctctct 240

cactctcgta caagtcatgg agtgacgctg gtgcgtacta acggtccacg tagagttgcg 300

annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntaacggaa 360

accgttagtc gtcggaccta cgtcttctgg tcatcgaccg cgctctcggc ccacatcgcg 420

gagatcgctt cgttgccgga agaagcaaat ttgctcgtat aagagttaag ttataagctt 480

aatccttacc actaacggac cgttccccaa taagcacata cgggcgacga tctacaacgt 540

tcccagtaac gtaaacgttt atccccgnta ggcgccgana ngacataccc cataactaag 600

aagacttcac catcnactag ncttaaaacg gagccanang gtcaagtcgg acacgnacga 660

tccnataacg gacactcggt cccgtt 686

<210> 5047
<211> 635
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G3

<400> 5047

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tatnaagaaa gcttcttgtt atcttcttca catggataac agctctatcc atgtcgaaac 120

caatcttcgt ntcatccgat aacatgaatt tcacattcaa atccttnaca atccgtaacc 180

tcacattcct cggagattca catctccgaa acggtgtcgt tgggctcaca agagagctag 240

gtgttcccga tacaagctcc ggtacagtaa tctacaacaa tccgatccgt ttctacgatc 300

cggattcaaa caccacggcg tctttctcca ctcacttctc cttcaccgtt caaaacttaa 360

acccagatcc aacctccgnc ggtgacggac tcgctttctt cctctctcac gacaacgata 420

ctttaggaag tcccggtggt tacttaggtc tcgtcaattc ctctcagccg atgaagaatc 480

gattcggcgn tatcgaatcg atacgaaant ggatcctcan ttcaacgatc ccaatggnaa 540

tcacattggg ttagatggtt gataggttgg actcaatctc aacnttagat cctttggttt 600

tggnttaaaa tgganctcaa atctgggaaa tngat 635

<210> 5048
<211> 686
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G5

<400> 5048

cgnagcacct tggttgaaac tttgggctgc tttatgtgct tgtttatgtg cntgtggctg 60

ttgcgggccg atagtcacca aggtagactt gctcagagcc acggaccata ctaataggtc 120

ggataatccc gacggattcg tagccggaga agctgtagcc gaagtttaac cacacgagga 180

agtacccgtc actcctaaga agcctaatcc aaacgcctag gtcgctaacg caccgtcgga 240

caacgctagg agtaccgagt gcgtagccga gcccgtacct tgggctgaag aagacctcgc 300

ccggagttaa gctgtcaagg tgtaatctag ggaaggatca gctagcgacg taaccgagct 360

tcccacttgc gtcgacgacg ttatctaccc tccggaggct acatgcgctc tcgaagacat 420

cgacgctcac gacgatccgg ctaaacattc ctcgacggcc agatagaagg cgaaggattt 480

aaggccgaca gcgagtctac tcacgtacac gtaaagaccg actggccagg cgagaccgaa 540

gaacctacct cgacgttaaa tgccgtcaac tcataatacg gccggcgact gctcgcacga 600

tgaatctctc acgangtccg taaaaacaac tcacgtgcct acactaaatc ggggtaagnc 660

atttgnatat ccgcgaagcc gtatta 686

<210> 5049
<211> 684
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G6

<400> 5049

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gtgcntgctc tcccgcttta ctacccctat tgtcctcttc ttaactatct acatcataga 120

ccttggggna aataataacg gccggactcc cggaactcga ctaaatctcc ctaacggtta 180

ttccaactga aaaatctgat actccactcg atgatcctga cttaattgtt gcagctattg 240

aattgccatt cttcttggca atcaacggaa ctggagtcga caaaggagga ggaggaggag 300

aaagagagac ggcctctggc aggaacacat atataatgct atctgtcgca atggaattgg 360

aggccaatga cgaacctatt ggagacaaag aagtccacac ggtcagcgcc tccgtctgcc 420

attggaaaat cccggccgaa tgaattaaaa attacccagg ccacttccac aatccggacc 480

ctgatcacgg cgtgtccggc tagccataat acccccctgac caacaactcc ggagacttgc 540

ccaccgaaag caatcacggc gcatatctaa gattccccga aaccggcgcg ccggaccggc 600

ccgtctgntc ccgggagacc ganagagacg accaccgggg ccatacctta acgnggnatc 660

gaagtaatcc tacggnaccc caac 684

<210> 5050
<211> 674
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G7

<400> 5050

ggcttggaan ctttgggctg ctttatgtgc ttgtctcctc ctctcttggg cttaaaaacg 60

gaactgctct cccctctctc ctcttacagt ctcgatgtcc cttctcgttc ttattactac 120

gcctctgtcc tccttctcct tgatcctgaa ggccctgacg tcgaagatga tgacgcccta 180

gaagacctta tcgagtccta ttatctctct tgcttcttct cctcgatcta gctcgagcta 240

atggcctcgg actcggattt actctttgac ctcgacctca tcttcgtact caaactcgac 300

ttctttatct agattgcgaa gttcctgctt cttactcttc ctgaccatcg ggacgaagac 360

gagcctgaag gaccgttgga ggatgagaaa ctcatggagc tcttggcccc ccttgacgat 420

gttcttctct tcgttgactt atagatgttg gactccgagc tcgtcctaga aatcttagac 480

atcgatacct tgaagaagac gtaactgcat atcgcggaga ctgcccgtgc tctcacaccg 540

acggccatgt cactaaccat cctatcggca aatgcgaaaa cgagaattct gtcccggtcc 600

gggtccctaa acccgggtcc aaagacatga accccgagaa gaatcctagc ccgtccggag 660

ccggcgaagg agaa 674

<210> 5051
<211> 690

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G8

<400> 5051

ggnaatccca ccgcaagcct nttggtnnga ancttgggc tgnttatgtg cttggtgnag 60

atctcttant gaaaaaacgg tccgcagatc tccccgggtc ctcagggccg tcngctactc 120

aaggactctt gccgtctaat gagggcccct ccttgcggcc ccgaaggacc cgaaacacgt 180

cgacctatac gaacgggcga agaccgatgg gaacaaagta attcccggca caatggacta 240

tgtgtaggat tacccaggag acgcggctca cgcggagcca ttcgacgcag gatacctggc 300

gctataaggg aagagccccg gagtagccga aagcgcgaaa gtaatcagtg acactaacct 360

cttagctctg ggcaaggcgg ccgaagctaa cgaggagtcg attgagcttt tcggaccggc 420

gaatctcatt tgcacgaata aggacggact acaaaagccg agtcgagcga cgtaggtgag 480

gtagagaagt cgacggacct agataagctc tcaagcctcg tgaagaagaa gatgttaagt 540

atcgagtccc cctcaccccc cttagtactt cctcttaatc cntattgtaa tatagacggc 600

ggccctctaa actgaggact aaaatgagac ctcttactcc cgcttccgga tcgaaaacct 660

tactctctgg ctcttccccc ctcccctacg 690

<210> 5052
<211> 709
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-H12

<400> 5052

tgggcttaaa ttctccgggt cntcccacgc gtccggttga agaagaaagc acctgtctta 60

agtgataaag attttaatcc tgagtttttc caaagactag aaagaaggca atccgtggaa 120

gtagtagttc ctcgtagatg taaaaacaat gatgaggaag aatcaggact cgatgatctc 180

aatgccatgg gatcttcaaa tcgcctcaag aacacccaag cagatgataa acaggtaaaa 240

ggtaggtttg atgggaacgg atcacaagca aggacatctg gtgatgataa ggctggtgtt 300

gtaaacggaa aagagacacc tggacatcac gctcctgtct ccaatactga taaccaatct 360

gaaggatcct tcacaagtaa tagaggaaat tggtcagcca tccagaggca gttgttgcag 420

ctagagagac aacaaacaaa tcttatgaac atgctccaag agtttattgg tggctcacat 480

gacagtatgg tgacccttgg anggcanagt aaggggntta gaaaggattg ntgaagacat 540

ggcaagagat ctttcgatat catcangtcg tanggctnat ctcacagctg ggtttggcaa 600

atataatagt tttgcttact atccactgga agtttaatgg tcgaacttca agggaaaaga 660

ngcttacaaa cagattggag ctntgaaggg gaaaatgtgg aatcttgca 709

<210> 5053
<211> 651
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-H2

<400> 5053

ttgggctgnt ttatgtgctt gaaaaatata atctaaatga cctatgggcc ctatccggaa 60

ctgcccggcc cctctaccct tgaaacacaa aaagacggtt aaagnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 180

tggcgccaat catggaatct ctggaaattc tttattattg atctaggcgg tcaatcccac 240

taagatataa atcctgaccg acagtgctaa gactcctgac gcgaactttg acacttcatg 300

cgttcctgtc ggaatcggca ctcttgctgc cgctattgcc ttcaatggcg acaccttggt 360

gccggtcaat ggaagataag tctgctggcg ggccctggcc aataccccgt tgccctactt 420

ctagatgaag accaagcaca ctctagctgg aaacgagacc tcgtctattg gagacaacaa 480

tacgactaac aactctccat tggtgacgag gaactccaat aatgtcccgg cctgcgtcgg 540

cgctagagac gccaaaggca taattggata tcccatccaa tactacagtc acgattcggt 600

tggcgtatta agtatggcag aactaaggtt gggccgggat aaaaggtnca c 651

<210> 5054
<211> 659
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-H3

<400> 5054

gattttggga tttagggttt cgcgatttgg aagcggattc atggtgagtt tcttgttatt 60

ggncgtaatt ccagagaaat tttggtatct atgattcatg actgcgcgat tcatcttctc 120

gaattgaaac agagagtagt tgggtcggaa tagctttcaa cactgtagca tttgtagcat 180

tgtcttttgt aatgtattct ctgattctcc atggaagaag gttggtccaa tcgcagaaat 240

gcttgagttt gagtgtttca gtgcaaaatg catttgtttt gtccaattcc ttctcttctg 300

ctagagctgc tgatgtgagc attagagatg gtcgaaaagg gaagaacttt acagtctctt 360

acctcgttga ttcattgggt ttatctaaaa agctcgcttg aatccatctc aaggaaagtt 420

agctttgagg acaagggcaa tcctgattct gntctaaagt ctggttaaga agttaccggn 480

tcacagattc tcagatctct accatcantt ccngattatn ccgntattgc ntggaancag 540

atgcctaaga aaagccnttt ggtccccaag ccttcaaaaa tctgcaatct aaaangaacc 600

tttaaacctc ttgagaaccc cttganaatg ggttcttcna gtnccccaga aatcttaag 659

<210> 5055
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-H7

<400> 5055

nccccccgaca gcggggagga gngaagnanc ttggtncgaa acttgggtgc tttatgtgct 60

tggtaggtca tctattatga ggacctanac gctatantgt ggccagagga atcgccgggg 120

taccgtattc gagcactcnc ttattggcta gctactcgag aaaattgacg ctcccgggcc 180

tggcacatcc ccgtcagagt ctactatagg aacgagagtc tctgagcccg gtaagctcgc 240

cagttagaaa ggagtcacgt cagaacgggc gaggaagtca tataaggaaa cgaaagcaga 300

ggagtcagca gattgagaat cggggataat tcatgacaga acagaagccg gagagacgtc 360

ataagcggta tcgtctcgta tctagccctc cttagtctat agatttaaaa cgctcgaagc 420

agcctagacg tccgaaggag acggaccagt cgagagacgg gtcgtcctat acgattacct 480

ataccctcat tacgttaata cgctccatag gatcaccatt ctcatcgacg gtaataatta 540

aattaaatac tcggccggtc ttctaggacc cgaagacgaa gacgacnact aagtgccaga 600

ctacctgtac ggaatcaccg gcttaagcan caaacnccgg atatagaaag aattggcccc 660

acactttacg atcctaaccc cggcccgaga nga 693

<210> 5056
<211> 609
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G10

<400> 5056

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ctntatgcaa gcaactaaat cggcgaaagc aaagctaagg cttcaaggct caccaaagtc 120

tgcggagcaa gatggaactg agaaagccac tgttcccaga cgtcactctc taccatctcc 180

aggtaatggt aggatcactt ctcactctcc aagaacaacg agactcgcaa actcaggtga 240

caaaaccggg aataagaagg agaaacctct tctgtcgtcc cgagaaggaa acgccaagac 300

aactccagca gagcggaaga ggtgattggt tccagcggaa agtgaagcct ttatcgttct 360

tgattctata gcagcgacaa taccaaacat gaagaatgca accatcttat ctatttaaaa 420

gctagagatt atgagtctgt gattgtgttt tgtgtgttta tgttggccaa gtgttatgtt 480

ggcggctaaa tttctacaat tgngantgtg tccgagcccg atnaagttca ttacaaggnt 540

ttttggatca tcttcttctt ctgggttttc gnncattact ttgantactt ttgaagatct 600

aaacntttt 609

<210> 5057
<211> 698
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A6

<400> 5057

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acggcggcga ggcggactcc gactccggaa atcatgaaag gccctcagac actaaaccaa 180

taagagataa caatactatc atcgggaaaa cccactagta cgccaccgtc aaagagagga 240

aaggagacca cccgggaaag atcgcctagg ccgccttcta cgctatcgac gtaacctaag 300

accggactga gagagccgtg gccaccttcg ccgacggaga agaggacttc gtcgacgccc 360

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ccggctaacc tctccattgc gcaggtttag ggaaccctcg ctcggcttac gctattctgc 480

gttcgcgtcc aacgccgncg gcgaatagaa aatcaaattt gatatagtac ancgctaagg 540

ggtcatnagg accgggtccg attttggaca ctccatccgc aggaatttta aagttttccg 600

nagacnacgg ggaaaggaaa aatcagtcta ncccgnttc gcnttgtccg agcacactcc 660

tatcctctcc acganggctt tnattacccc gggtgcac 698

<210> 5058
<211> 670
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A7

<400> 5058

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tgctggcccc tcgcctcacc ttaggctctg gtggtgacct ttattgaaaa ttcttaagcg 180

atggcccttc taagtcgttc gtgctgctca ccttggtgga tagttgaaaa ccagcagtga 240

acctcatcct tccctactta actctagttg ccaatgctct cgtctaagtc ctttctattg 300

tcgacccctt tgtttcccta gaaatcacat cgaaagaggg aagaaacaat ggaaaagaga 360

aagtagagaa tactgcgcgg tatgagagcc tgacacgtag acgtgataga taataatcct 420

cctaataaaa gggccgcgct gcccggacta tcggctctag cggcctaggg aaaagtatcg 480

ccgtccgcgt atcaagcaaa gtaccggccg aaagagtaat ccatccatat atctgatggt 540

gataacgctt gcnatggntc caattgcgat tctatcccta aagtagagta ttggattgaa 600

ataccagaag aaccggcgag gngtcaancg gccgtcgtnc tggactaccg gacagtagcc 660

cgacctcttg 670

<210> 5059
<211> 671
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A9

<400> 5059

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ggcacagctc ctattaactt gacggatagg cttcaccagg ttctccgttg ggctactggc 120

tcggtggaga tctttttctc ccgtaacaac gctcttctcg caagctcgaa aatgaaaata 180

ctccagagaa ttgcctactt aaacgtcggt atctacccgt tcacatcgat cttcctcatc 240

gtatactgtt tcctaccagc gctctccctc ttctctggtc agttcatcgt ccagacgctc 300

aacgtcactt tcctagtcta ccttctcatc atctccatca ctctctgctt actggccctc 360

ctcgagatca aatggtcagg aatctcactc gaggaatggt ggagaaacga acagttttgg 420

ctcattggag gaacaagtgc tcatctcgca gctgtgcttc aaggtttgct caaagttgta 480

gcaggagtcg aaatctcttc acgctcacga gtaaatccgg aggagatgat atagacgacg 540

agtttgcgga tttgtacatg gtgaaatgga cttcacttat gatcccttcg attaccatca 600

ttatggngaa tctgatancg aatgcggttg gattcaacag gacgatttac aagtgtgggt 660

cctcntggag t 671

<210> 5060
<211> 663
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B1

<400> 5060

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ttgtattntg atgagaagtc tgttgatgca agtcaaggcc cgatctcaac aactgnatca 120

gttattanag ggctcacgtc atttgcagct tcagaatcca caggattgaa ccttncaggt 180

gataagatag ntggtctggc caaattcttt ctgggtgttg gaattcctgg tgatgccaag 240

gacttcttca accaaataga tgcactagct tgtttggaag acatcaagtt ttctgttcca 300

ctcatcttgn ctcttccatc cactgtcatt tcattgacaa agaaagagcc tctgaaggtt 360

aaagttagca ctgtactggg ttccgaaggc accagctctt agtgtgaagc ttacacaagc 420

tctaagttct aaagtcantg gattcatctg naattaataa ccaggagctt aaagtttgac 480

gctgacagtg caacgtactt cctggactcc tttcccaaga actttgacat tggaaaatat 540

acttttgtat ttaagattgn gctggatgaa tcagcacatg agaaaatntn cntaactgaa 600

gctcaaacca aatgcctata gctgccacan gagctattan cattggaaat gcacaaattg 660

ctg 663

<210> 5061
<211> 660
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B11

<400> 5061

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tgggaagaag gttccgatca tggcgtcggt gtcgtcgtcg gatcaaggac ctaagacnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

natgttgttg tatagaggtt ttaagaaggc gaagaaggag agaggttgta cagctaagga 300

gcgtattagt aaaatgcctc cgtgcactgc tgggaaaagg agttccatat accggggagt 360

caccagacat agatggacag gtcgttatga agctcacctt tgggataaga gtacctggaa 420

ccaaaaccag aacaagaagg gaaaacaagt ttatctagga gcatatgatg atgaagaggc 480

tgctgctaga gcttacgacc ttgctgcctt aaaatattgg ggtcctggga cacttataaa 540

tttttccgtg actgattatc canggattta gaagaaatgc caaatctctc anggaagaat 600

ccttgctctt tactagaaaa gcacggttct ctagggatag cgaaattcgt ggactnaagc 660

<210> 5062
<211> 623
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B3

<400> 5062

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ttcagatctc atgatttgaa ctattccgac gtttcggtgt tggaagcaac taagtgacaa 120

atggaatccg aaggagaaac cgcgggaaag ccgatgaaga acattgttcc gcagacttgc 180

cagatctgta gtgacaatgt tggcaagact gttgatggag atcgttttgt ggcttgtgat 240

atttgttcat tcccagtttg tcggccttgc tacgagtatg agaggaaaga tgggaatcaa 300

tcttgtcctc agtgcaaaac cagatacaag aggctcaaag gtagtcctgc tattcctggt 360

gataaagacg aggatggctt agctgatgaa ggtactgttg agttcaacta ccctcagaag 420

gagaaaattt cagagcggat gcttggttgg catcttactc gtgggaaggg agaggaaatg 480

ggggaacccc agtatgataa agaggtctnt cacaatcatc ttcctcgtct nacgagcaga 540

cnagatcttt angagagttt tctgctggct acctgaacgc ctttntggat cttctactat 600

cgcttgggga aaacgccttn cta 623

<210> 5063
<211> 659
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B4

<400> 5063

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taataataaa tatagcggac gctctcctgg cgctagactc ccccgaacct acacgtctgg 180

gcttctctgc aaataagacc ggcactatct tctaaagagc cggttagctc accgataaac 240

ggccatctca tggtctataa tcccgcagat cgccctagtc caacgagtcc aagtccataa 300

ccttctagaa agtcaggtca cattatcatc atacatttgc ccccacccgg cgtgaagact 360

agaccgtccc gtacaacctt aagcccaaag acggagacga cgcattcttc ccagcgaccg 420

gacccagttg tcttctaagg acgcggtaag gatcatatcc gcgcccgtat ccgaccactc 480

ccctaagata ataaanaaga agctagttga tgacacttgc agatgacccc catccgatcg 540

nagaangtta agtcgaaccg agaaaaaaga acntaggaaa cgtatccnca gagcactgcg 600

ggaaacgtan ggaagctacg aatcggaaat cccncggcgg aaatatccca agtttcggc 659

<210> 5064
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B5

<400> 5064

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gactcacgtt ccgcttctct tcctgcagtt acctccggtc tcgcggtccc tcctatagtt 120

taaccaactc ttgccaatat taataacaac gacgaccttc caccaatcat gagttagacc 180

cgttacggag tctatgatta agatctacgt taagtctctc cgcttgaacc tatgatgccg 240

ctgtctctaa agtctaattg ttccgattca ccgtatgcgc ccccgaagaa tctggcgcgg 300

tggtccgaga gtatgacgat tacggcgagt gaggtcagga cttgtctgaa tggcgccaga 360

gataaggtag gccccgtcga tcgtgaggag acgacggatg cactaaagga ctggacgacg 420

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atccggtcga gtagcgcgtc cataaatcat acgatacgcc cagaaagcac cagcgacgct 540

cntgctaatc tcaagtaaac agctaagtta taatcctgag gatccggccc tcagggtaag 600

gancggtctc agttactccc gntcntgntc cggtcggtaa aagatgactc caaaaacgga 660

taccccttaac tgnccccttgc tgcggtccat cgn 693

<210> 5065
<211> 632
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-B6

<400> 5065

cccccgacag nggggaggag ananacnctt ggttngacct ttgggctgnt tatgtgcttg 60

ananaacggt tgcccgaagt ctccntggaa ctaacggcga ctcaactatt agactacggg 120

gnagttcnga ataagtccat tcaattgagt gtcactataa ggaagaagta ggagtagctg 180

caactcctgt cccttaatta ctccctctag agaaagaccc tcctgacttg gataacaaac 240

tccttcccgg agaaactaag ccgaattgcg cctagccctt ccgcacgagg aaaactggca 300

aaggcgacgc agtcatcgcc aatgaagtcc cttctaagaa ctccgaagtc actaccgact 360

taagaattct accctaagtc ctcgcggaaa cggtcgcgag gagcagaaaa tagacagcgc 420

ctataggata ccttctagga ggcgtaatcg taactccagt aatagcccgg cacccggaga 480

aacatcctac atgtaactta aacgcccatt ccgattctgc cgcgcgatac cggatcctcc 540

cgggcggcga tctcactcct anctattatc cgggganaaaa aaaacgggat ttggctcccg 600

ngnatcccgg tccaaagaac tgacaccgnt tc 632

<210> 5066
<211> 694
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A3

<400> 5066

tgttatttct aancgggggg ntgaaaggaa ntattccntg ncttnaaatt cncgggtcta 60

cccacgcgtc cgctttcccg aagcggatct cttcgtctgt gtgatcggag gatctgcaag 120

agttccttac ccntacaaac tcagagagag actgagagat attcgttacg caatttatta 180

tggcttctgt aagcaaatcg aatcatctcg aagaagatga tgatgctgaa gaagaggtgc 240

aacatttcga tgatttcact ctagcttctt cctgggaaag gttcatctca gacattgaag 300

caacttgtcg tcaatggtta gctgatggtc ccaaaaacct ggtggaaaag ggtgctgttg 360

cagtggagga ttcaaagaat ctgtttacgg tcaaacaccg aacttaagaa tgttgcaaag 420

agctattgta tggagttcta ctttcaaatt gataataatg gtagccaaca agctggaatt 480

ggtaattgga acagtaattc acatgatctc cagctttgct ttggggtgaa ggattttctg 540

ttgattgctc cacaaagtgc cagtggggtg cttcttgata caccagagtc tagcaagctt 600

ctgaatgccg ttgctattgc tttgnctaac tgtggcaact tgtggccagc ctttgtccct 660

gtgcatgacc cttnacgcaa agcatatatt ggaa 694

<210> 5067
<211> 612
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-G3

<400> 5067

gcnnacgcgt ccgcggacgc gtgggccgaa actttctctt ctctctctct ctaatgtctc 60

gntcaanaaa gcttcttgtt atcttcttca catggataac agctctatcc atgtcnaaac 120

caatcttcgt atcatccgat aacatgaatt tcacattcaa atccttnaca atccgtaacc 180

tcacattccn cggagattca catctccgaa acggtgtcgt tgggctcaca aganagctag 240

gtgttcccga tacaagctcc ggtacagtaa tctacaacaa tccgatccgt ttctacnatc 300

cggattcaaa caccacgggg tctttctcca ctcacttctc cttcancgtt canaacttan 360

agccagatnc aacctccgcc ggtgacngac tcgctttcct cctctctcan gacancnata 420

ctttaggaag tcncggtggt tacttaggct cgtcaattct ctaagccgat tgaagaatcg 480

attcgtcgca tcgaattcga tacgnanttg gttcccattt aacgatccaa nnggtaatca 540

attggtttan anttgnaatt tgaccattct nacttannte tttgcttntc taaattgatc 600

caatcnggaa at 612

<210> 5068
<211> 630
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-G5

<400> 5068

aaggggggcc aagggaagaa ngtaccggtc cagaattccc gggtcgaccc acgcgtccgc 60

ccacgcgtcc gcggacgcgt gggttgacag ctattaaggc agatccgtct agagtggngg 120

attacatcaa caggctggac aactttgatg gacctgcagt tggagaagtc gcagttgaag 180

cccaattata tgaggaagca tttgctatct tcaagaagtt caacttaaat gttcaggctg 240

tcaatgtatt gctggataat gtcaggagca ttgagcgtgc agttgagttt gcattccggg 300

tcgaagaaga ttctgtttgg anccaagtcg ctaaggcnca actcatggaa ggactagtca 360

gtgatgcaat tgagtccttt atccgtgctg atgatgccac tcatttcttg gaggtcatac 420

gtgtctctga agatactgat gtctangatg acttggtcaa ataccttctg atggttagac 480

anaaggtgaa ggaacccaag gttgatantg agctcatcta tgcatatgca aatattgatc 540

ggttangtga gattgaanan ttcagtctga tnccaaacgt tgctaatcna caacatgttg 600

gtgatcatcc gtatgacgaa gctctctatn 630

<210> 5069
<211> 691
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-G8

<400> 5069

tgcgctcana aattcccggg gctacccacg cgtccgggga gatctctcca acgaaaaaat 60

ggcttgtana ctcttttggg cttctaaggt tgggtctcat ctaaggatct ccgntgctca 120

acgagggttt tcttccgtgg ttttgaanga tttgaaatat gctgattcac atgaatgggt 180

gaanattgac gggaataaag caacctttgg tataacggat cacgcgcatg accatttagg 240

agatgtggtc tatgtggant tacctgatgt atgacattcg gtgtcacaag ggaagagttt 300

tggagcagtt gaaagtgtga aancaactag cgatatcaat tctccantct cgggtaaggt 360

ggttgaagtc aatgatgagc tgaccgantc ccctggattg gtgaactcta gcccgtatga 420

acaaggatgg atcataaaag ttganctgag tgatgcangc gangcagaga anctgatgga 480

ttcagacaag tactccaagt tctgccaana ataanacgcc aagcactgaa ctttttctat 540

tttttccaac atccttctcc aancttccaa ncncaacaca anattgtttg ttttcccaaa 600

tccaaggatt aaaaaccaag atttcctcca tcctttgtcc ccttggactg aaaattccca 660

acctctccgt tcctcccttt ttttcctttc a 691

<210> 5070
<211> 664
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-H12

<400> 5070

aagaaagcac ctgtcttaag tgataaagat tttaatcctg agtttttcca aagactagaa 60

agaaggcaat ccgtggaagt agtagttcct cgtagatgta aaaacaatga tgaggaagaa 120

tcaggactcg atgatctcaa tgccatggga tcttcaaatc gcctcaagaa cacccaagca 180

gatgataaac aggtaaaagg tangtttgat gggaacggat cacaagcaat gacatctggt 240

gatgataagg ctggtgttgt aaacggaaaa gagacacctg gacatcacgc tcctgtctcc 300

aatactgata accaatctga aggatccttc acaagtaata gaggaaattg gtcagccatc 360

cagangcagt tgttgcagct aganagacaa caaacaaatc ttatgaacat gctccaagan 420

ttnattgggt ggctcacatg acagtatggt gaccttggag ggcaaagtaa ggggtttaag 480

aaaggattgt tgaagacatg gcaagagatc tttcgatatc atcaggtcgt agggctaatc 540

tcacagctgg gtttggcaaa tataatagtt ttgctaacta tcnaactgga aagtataatg 600

gtcaactcca agggaaagan gctcacaanc agatggacct atgangggga aaattttgga 660

attc 664

<210> 5071
<211> 698
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-H4

<400> 5071

ggaattttcg ccgggncgta gggtccanat tcncgggncn acccacgcgt ccgcggangc 60

gtgggatcag cttcaagctt aagagagctt cgagtagcga aagcgacgat ttcttctcca 120

tcgtgagagc aaatctccag agccgttttc tcttcttctt cttcctcctc gcgccgtctc 180

tgaaactcca tcatcgtatc aatcaaattg cttcctcctc caanttgaan aacaatggaa 240

ttggattcgg anaacaantt gttgaagacg ggtttggtta tagtggcgac acttgttata 300

gccaaactca tcttctcttt cttcacttct gattctaaga anaagcgtct tcctcctact 360

cttaaagctt ggcctcnatt ggttggaagt cttatcaaat tcttgaaang acctattatt 420

atgcttagga gaggaatacc ctaagcttgg aagtgtgttt actgttaatc ttgttcacaa 480

aaagattact tttcgtattg gtcctgaagt ctctgctcat tttttcaaaa gcttctgaat 540

ctgatcttag tcagcaggaa ntgtatcaag ttcaatgtcc ctaanttttg gtccctggaa 600

nttgttttcg angtttgaan taatccggtt cgtcanggaa caatttcggt tcntcactga 660

aggcacttan agttaacnag ttgaaagggg taagttga 698

<210> 5072
<211> 636
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-H5

<400> 5072

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atcctgatct gtcgnctcct ttgatccacc atcaatcctc cgatcaacct gaagttgtta 120

tctctatcgc cgacgacgac gacgacgagt caggactcaa tcttcttcca gccgttgttg 180

accctcgtgt ttcacgaggt tttgagtttg accatcttaa tccttatggc tttctcagcg 240

agtcagagcc tccggttctc ggtccgacga cggtggatcc attccggaac aatacacctg 300

gagttagcgg attgtacgaa gcgattaagc tcgtgatttg tcttccgatt gctctgatta 360

gacttgttct ctttgctgct agcttagctg ttggttactt ggctacaaaa ttggcacttg 420

ctggctggaa agataaagag aaccctatgc ctctttggag atgcagaatc atgtggatta 480

ctcggatctg taccaaatgt atcctcntct cttttggcta tcaatggata anaaggaaag 540

ggaaacctgc tcgganaaaa gattgctccc gaatggtgta tcaaatcang tttcctaaaa 600

ttgaaccaat cctccnactt ccaangaatt atcaac 636

<210> 5073
<211> 642
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A1

<400> 5073

ttgggctgnt tatgtgcttg taagggtagc ccccctccga caccttccct aatcccttcg 60

acacgcgatc ttcgtggcaa agaaaactct aaaaagagaa aagacccatc cgagcgccaa 120

cgtcggcatc ggaatagaag cctctcgtaa aggacgtagc tactaatcaa aggagaaacc 180

gtggagcgta gggaagccga ggcccgtaca cgaagtagac gccccgaagc ggctgaatat 240

cgatcccagt cccctccaca tggttcttct aagcaacaca gccggcggat cccttcccta 300

actcgtgttc gcctatgacg ccgactagag ggatacaccc ctccctcact ccccccttagg 360

aaagtagtaa aaaatcaagg tacctaagtg ggaggcagca cccgccgccg atacaagcaa 420

aagcacgatc ggaaaattct ctgaggacgc aaaaaacgtg acactcatag tctcactcaa 480

gtccgacttc ggagacctcc ctaacaccac tatccctagt aacgacatcg tctcacccct 540

gatactaacg gagctagcta tcctcgacgt cgccgaaaga ggtaccgagc ggacgaataa 600

gaatcccgct gctgtaaacg gctaaatacg tctttccttt cc 642

<210> 5074
<211> 670
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A10

<400> 5074

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tgtctgagtg ggatcacgag gactccactc ggttacttgt tatcattcaa ggattgaggg 120

atcaatatgt ggcctaccaa agaaggcgtg tgggtcaagt tgatgatgat cgagttaagt 180

ttgagattag caccgtctta actcgcaagg gaattgaaat gcaaatggct tcaggagttg 240

acaagccaga ggaagtcaag tttgcagtac ctcttgtgat ggatatgaac ataaacaaaa 300

tggtggttgg ctgcccttgg aagcatcagc agaagattta tcttcaggta gtatacccga 360

ttcttcggaa atatgaagca gcaccgtcag cacctcgttt gaaattagta tcatattatg 420

atttaaaatc gctattctct gntgaggatg ttaaactttc tccatggatg gacgggatgt 480

gcttggctga atatcttccc atcttgaaga aacacttgag agacagatcc atgaanctgg 540

tgctgcaatt gatttaaagg aggagtttta ttgaggcatt aaagtcttaa tctgggaaga 600

cctcttgaac cgatcctacc ttttgncgta nggntacatt ccttaatgcc ttggacaatt 660

tactttcatg 670

<210> 5075
<211> 667
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-A11

<400> 5075

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ggagtcgaga tccgatgacc taagtcaacg gagaagctac tggagatgga ggaagcagga 120

ttttttcccg gaattctctt ttcagagctt ctctacctac aaatcagctc tctccgccac 180

ttgtccacgc ctcgccgatc gtcttctctc tcgctcttcc gatgcgtacg agctcgatgc 240

agcccgccgc gaaagcgaga accctatgcg tcgttgtctc acttggtggg acttgctctg 300

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tgaggctatg gttgggngct gctggattan ggaggncatg ggcttcgtat ctactngntt 600

gggcnagaan gattctgata ttttcggata aaagtcnatt nctttgntta agggttngaa 660

cttttgg 667

<210> 5076
<211> 633
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-C8

<400> 5076

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gnttcagcgg tgnacntggn ggttnccgtg gccgtnatcg tggtccaaga tgccgtggaa 120

tacgtggatg ccgtgcctcg gaagaaacga aatgggttcc agtgaccaaa ctatgtcntc 180

tagtggctga caataanata tcgaanctag agcagatcta tcttcattct ctcccantan 240

acgagtacca aatcatacat catcttgttg gtcctacgtt ganangacga cgttatgaan 300

atcatgcctg ttcanaaaca naccatagct ggtcaaatga ctagattcaa tgcctttgtt 360

gttgttggtg atggaaatgg tcatgttggt ttgggtntca agtgttctaa ggaatttgct 420

antgccatta nacgagctat taatcctgct aagctatcan tggttcccgt gangataggt 480

tattgnggga ataagattgg gaanccacac actgtgcctt gtaaaggtac tggggaaatg 540

ttggtctgtt actgttagaa tggtcctgcc ccgataggtc tggtattgtt ccgcaanggt 600

cctaaagaag gtctcaatcc ccggnaatga tta 633

<210> 5077
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-G4

<400> 5077

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atacattctg gaacttttat tgcctttgca aaaagaaatt cccttgcagc aaagagctgc 120

agcggcttct ttgttgggga agctcgtcgc acaaccaatg catgggccta gagttgctat 180

cacacttgtg agattccttc ctgacggtct tgtatctata attcgtgatg gacctgggga 240

ggctgttgtc catgcacttg agcggaccac tgagactcca gaacttgtgt ggacaccagc 300

aatggcagca tctttatccg cacagattgc aaccatggca tcagatattt atcgtgaaca 360

acagaagggt tctgttattg aatgggatgt accagaacaa tcantggtca acaagaaatg 420

anagacaa 428

<210> 5078
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-G7

<400> 5078

caaaatcttc cctcaaactc agatccgatt cttctaattc tttgtccccc cagagattct 60

tcttctttct ccaagtaaaa gaaaacaact ttctttctct tttcttgcga aagtcctcaa 120

ctttcaccac taaatcagct tccttcaatc actgtgtttg ctttggaccc agtttctgat 180

ttagcgacta gggttttgat tggaaccgta ttaagtatat gagaatcggg ttttactggt 240

gaatcggatt atcatcggaa ttcggaaaaa gatggatcgg aatcaaaaga tggatcacgt 300

tatcggcggg gaagtttaag ttgggtagga agcttggaag tggatcattc ggtgaacttt 360

atttagggat caatattcaa actggagaag aagtcgcagt taagctggaa cctgtgaaga 420

cgangcatcc tcaactgcag tat 443

<210> 5079
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-H10

<400> 5079

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gcggacgcgt gggccgctta taaactttct ctcttctgaa aacagatctc tctactttgc 120

ttcttcactc gacttgtatc tatcatccat ggcttccgag aatcntttcc gaagcatatt 180

gaaggcgtta gagaancctg atggtggtga attcggtaac tactacagct tacctgcttt 240

gaangatccc aggatnnata aactacctta ttccattagg atagttcttg aatctgccat 300

acgtaactgt gatgagttcc aagttaagan canagatgtt gagaagattc ttgattggga 360

gaatacttct cccaagcagg ttgagattcc gttcaancct gctcgggttc ttcttcagga 420

ctttacnggn gttccngcng ttgttgatct tgcttgcatg aaaaatgcca tgagaaaatc 480

ccggtgggaa tccaanaa 498

<210> 5080
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-H12

<400> 5080

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ttcgatatgg tttactctgt gttatctcaa cgaggctatt accctgactc acctgataag 180

gagaatcaag acacttactg catcaaaaca gagcttcaag gtaacccgaa tgttcatttc 240

ttcggtgtct ttgatggtca cggtgtgttg ggtacgcant gttcgaattt tgttaaggag 300

aaggttgtgg aaatgttgtc cgaaagaacc aactccgcct naagattcgg agaaagctta 360

aaagtccgcc tttttgaagg ttaatgaana attacaccat antgaaatcn acnattccat 420

gaatggnact actggcaata cggtcctgtt gttg 454

<210> 5081
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-H2

<400> 5081

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agaaaatgaa ccccttttgca gagcaagaag cttgggagga ccatcagatt gaaaacgcag 120

cattaaaatt tggtgcaaag aataaggagg tctcagacaa ttacgagttt gtatttgaag 180

accaaataga cttcataaag gcatctgtgt tggctggtga taattatgaa gatgaaatgc 240

atgctaaacc atctcaagat tctgctggga aatcggcttt tcatatgctt caggaggata 300

gaaaagctct gccaatttat acatatcgtg atcaacttct taatgctgtg aaagatcatc 360

aggttcttat cattgtgggg gaacgggttc tggcaagact acacagatac cccaatatct 420

tcacgaagct ggttacacaa agcttggaaa nggt 454

<210> 5082
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-H5

<400> 5082

taaangaggt ttcttcttan agaaatgaat ttctcttatt cttccttgtc aacttggaca 60

accctaatga cattgggttg tcttctgctt cattcatcca tttccagtgc tcagctaacc 120

ccanctttct atgacaatac atgtcnaagc gtctttanca tcgtacggga naccatagta 180

aacgagctaa gatcggatcc tcgtatcgct gcaagcatcn ttcgtcttca cttccacgac 240

tgtttcgtca atggctgtga tgcatcnatc ctgttagaca acacaacatc ctttcgaaca 300

gagaaagatg cngctccaaa cncanactcg gntcgangat ttncagtgat cgatagaatg 360

aaagcatcag tagagacagc atgtccaang actgtttcat gcgcagatat acttaccatc 420

gcagctcaan aagctg 436

<210> 5083
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-H8

<400> 5083

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cacaaatctc aaatttgttt ggagactctc aaatgtatcc ttctctcgac gatgatttcg 120

tctctgattt gttttgcttc gatcaaagac tgatcaagag gataccttc cagattttgt 180

gtcatatggt gtgaatttgc agcaggagcc agatgaagtc tttagtattg gagcttctca 240

attggatttg tcctcgtata atggagtttt gtcgctagag ccagaacagg tggggcaaca 300

agattgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cgattgctcc agaaagcggg caaggactgg 420

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gctaa 485

<210> 5084
<211> 686
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-A1

<400> 5084

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acgcgtccgc aagggcagtt ttttcttgat attccctttca actttcctga gtatgtgact 120

cctgcggngg nagaaaatct caaaangaga aaagatttac ttgagtgtta atgctggtac 180

tggaacagaa gttctctgca aaggatgcag tcatcaacta aaggagaaat tgcggagtgc 240

agggaagttg aggtttgcat atgaagcaga tgttttgaag tggtcgaaca ctgactttag 300

cttttcttat acggcctcct caagtaatat agttggtgga cttttccttc aatctgcgcc 360

tgttcacgat gttgatcaga gggacatatt ttctttctat ctttttccag gaaagcagca 420

gaaaactaag gcattcaagc gggaggtagt atttgttgtt gacataagta aaagtatgac 480

tggnaaacct ctcnaggatg taaaaaatgc gatatctaca gctctatcta agcttgatnc 540

tggagattct ttcaatatta tcactttcag caatgatact gctctatttt cgacatcaat 600

ggagtcagtc acttctgatg ctgttgaaag angcattgag tggatgaaca agaactttgt 660

cgtcgcagat ggtacaaaca tgctcc 686

<210> 5085
<211> 612
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-A9

<400> 5085

ggaatgcata accgaggctg gaaatcggtt tactgtgtga cgaaacggga tgctttccgt 60

ggnacagctc ctattaactt gacggatagg cttcaccagg ttctccgttg ggctactggc 120

tcggtggana tctttttctc ccgtaacaac gctcttctcg caagctcgaa aatgaaaata 180

ctccagagaa ttgcctactt aaacgtcngt atctacccgt tcacatcgat cttcctcatc 240

gtatactgtt tcctaccagc gctctccctc ttctctggtc agttcatcgt ccagacgctc 300

aacgtcactt tcctagtcta ccttctcatc atctccatca ctctctgctt actggccctc 360

ctcgagatca aatggtcagg aatctcactc naggaatggt ggataaacga ncagttttgg 420

ctcattggag gaacaagtgc tcatctcgca nctgtgcttc aaggtttgct caaagttgta 480

ncangagtcc aaatctcctt cangctcacg aataaatccg ganganatga tatataccac 540

aatttccgga tttgtacatg ggngaaaatg ggantttaac tttatgattc ctcccgaatt 600

tacaaaccan tt 612

<210> 5086
<211> 664
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-B11

<400> 5086

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ggtctactgt atcaagaagc tccgttttgc ttagccatag tgcgtctagg gtttggttgg 120

tgggaagaag gttccgatca tggngtcggt gtcgtcgtcn gatcaaggac ctaagacaga 180

agcaggatgt ancggcggag gaggaggaga gagctcggag acagtggcgg ngagtgatca 240

agatgttgtt gtatagaggt tttaagaagg cgaagnanga tagaggttgt anagctaagg 300

agcgtattag taanatgcct ccgtgcactg ctgggaaaag gagttccata taccggggag 360

tcaccagaca tagatggaca ggtcgttatg aagctcacct ttgggataag agtacctgga 420

ancaaaacca gancaagaat ggaaancaag ttnatctatg agcatatgan gatnaanang 480

ctgctgctag aacttacaac cttgctgcct taaaatattg gggtcctggg acacttataa 540

attttccggn gactgattaa ancaanggat tnanaagaaa tgcanatctc tnaagggaat 600

aaagaccttg catctttacn ttgaagaaca tnggtttccc aagggaataa cccaantgtc 660

gtga 664

<210> 5087
<211> 666
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-E1-B3

<400> 5087

tcgcnagcct ttaccggtcc gaaaattccc ggggtcgacc cacnccgtcc ggaagaaagc 60

ttggntccag attgagagag attcagagag tcacatcacc acactccatc ntcagatctc 120

atgatttgaa ctattccgac gtttcggtgt tggnagcaac taagtgacaa atggaatccg 180

agggagaaac cgcgggaaag ccgatgaaga acattgttcc gcagacntgc cagatctgta 240

gtgacaatgt tggcaagact gttgatggag atcgttttgt ggcttgtgat atttgttcat 300

tcccagtttg tcngccttgc tacgantatg agaggaaaga tgggaatcaa tcttgtcctc 360

agtgcaanac cagatacaag aggctcaaag gtagtcctgc tattcctggt gataaagang 420

aggatggctt agctgatgaa tgnactgttg agttcancta ccctcagaag gagaaaattt 480

cagagcggat gcttggttgg catcctactc gtgggaaggg agangaaatg ggggaacccc 540

agtatgataa agaggtctct cacaatcatc ttcctcgtct cacgancaga caanatacgt 600

cangganant tttctgccgc ctcancttga acnccgcnct gtanccttct actagcgcta 660

ngggaa 666

<210> 5088
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-010-Q1-E1-G11

<400> 5088

gngatatttc aaactacaat cagctcgaga cccaagacga ggctcaggaa gaaaccggat 60

ggaagcttgt acatggagat gtctttagga cgcccatgaa ctctgggtta ctgtgtgttt 120

atgtcggcac aggtgttcag attttcggta tgactcttgt gacaatgatc tttgcattgc 180

tgggcttctt atctccatcc aacagaggag ggctcacgac tgccatggtt ctcttatggg 240

tattcatggg catatttgct ggttactcat cttctcgtct tcacaaaatg ttcaaaaggg 300

aatgagtgga aaaagaatca cctttaagac tgcattcatg tttcccggta tactcctcgc 360

gatctcctcc gtcccaacan actcatatgg gggaaaacga ttatccggga gcaattccct 420

ttantanaat gtttgccccn ggccgtc 447

<210> 5089
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F3

<400> 5089

gacncgtggg gtgagaatgg agttgcaccg gatagagcac ttgacccggc tgttttgtct 60

cgtctaaaac agttttctgc aatgaataaa ttaaagaaga tggctttaaa ggtgatagct 120

gagagcctct cagaagaaga gattgcgggt ttaagagcaa tgtttgaggc aatggatact 180

gataacagcg gtgcaatcac ttttgatgaa ctcaaagctg gcttgagaag atatggatca 240

accttgaaag acaccgagat ccgagatctt atggaagcgg ctgatgtgga caacagcggt 300

acaatagatt acagcgagtt tattgcagcg acgattcatc tgaataaact agagagagaa 360

gaacatcctg tccccgcatt tcaatacntt gacaaagatg gnaatggtta catcanccat 420

tgatgaaccg caa 433

<210> 5090
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F4

<400> 5090

acncaatatc tcttccccag atcctcctct ctcttcttca ctcttttaac gggacacttt 60

tcactgatct attcactcac tcaaatcgcc gccggagcta aatcaatcaa caatgacgtc 120

gacctacacg agattcgata ccgtatttct cttttctagg ttcgccggcg ctaagtattc 180

gccgttattg ccgtctccgt cgtttacttt atctacttcc ggcattcata tcagaaccaa 240

accgaattct cgttttcact cgattatagc atcctcctca tcttcatctg tagtcgccgg 300

aactgatagc attgagatta aatcgttgcc gacgaagcct attgaangga caaaagactg 360

ggaactaacg gactccggga agaagggtga aaagttttca tgggaagata antaatttag 420

ccaaactggg attcagg 437

<210> 5091
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F5

<400> 5091

agttccattc tttttcacaa agccattgtg ctgttttctc catttggatc aaaatggttg 60

ctgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngct ttggtcaaac 180

ctgaatccga gacacgaaag ggcctttact tcttgtcgaa tcttgaccag aacatcgccg 240

tgattgttcg tacaatctac tgtttcaaat ccgaggagag agggaacgag gaagcagtcc 300

aagtgatcaa gaaagctctg agtcaagttc ttgttcatta ctatcctctc gctggacgcc 360

tcaccatcag tcctgaangt aaactcacag ttgactgtac cgaagaanga ttgtgtttgt 420

ggaa 424

<210> 5092
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F7

<400> 5092

gtaccaatcn gnaattcccn ggtcnaccca cgcgtccgaa ttgtgccagc agacggtgta 60

gcgccggtct ggaacagcga tgttaggttc tactgtgtca aagattcttc tggaaatcca 120

actgcttatt tctactttga tccctactct cgcccttcag aaaagagaga cggcgcttgg 180

atggatgaag ttttttctcg tagccgagtc atggcccaga agggttcctc cgttagactc 240

cctgttgctc aaatggtctg caaccaaact ccacctgttg gtgacaagcc aagccttatg 300

acattccgtg aggtagagac tgtgttccat gaatttggcc atgctcttca gcatatgctt 360

accaaagagg atgaggggct agtggctggt atccgggaat atcgaatggg atgcattgaa 420

ttaccgtcac agtttatgga gaactggtgc taccacangg atacctta 468

<210> 5093
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F8

<400> 5093

tctgcccgta cggtaccaat cnnnaattng cgggtcgacc cacgcgtccg nttcaagatt 60

agcctctaga ctaataataa tcttctcaat aatctccaca tctttcttca ccgttgaatc 120

gattcgacta ttccctgatt cattcgacga tgcatcttca gatttaatgg aagctccagc 180

atatcaaaac ggtcttgatt gctctgtttt agccaaaaac agactcttgt tagcttgtga 240

tccatcagct gttcatatag ctatgactct agatccagct tacttgcgtg gcacggtatc 300

tgcagtacat tccatcctca aacacacttc ttgccctgaa aacatcttct tccacttcat 360

tgcttcgggt acaagtcagg gttccctcgc caagacccta tcctctgttt ttccttcctt 420

gagtttcaaa gtctatanct ttgaagaaac aaggtcaaga tctaatctct tcttc 475

<210> 5094
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F9

<400> 5094

tacngcctcc acaattccca aggtccaccc acgcgtccga aattaaaagc ttcaggtgca 60

gttttagtag caaagcttgt tacgggttct atggcttatg atgatatctg gttcggggga 120

cggactagga atccatggaa tatcgaggaa ttctctaccg ggtcatcagc tggacccgct 180

gcatccacat cggctggtat ggttcctttt gctataggct cggagacagc aggctcaatg 240

acataccctg cagcgcggtg tggcataaca gcattgcgtc cgacatttgg gagcgttggt 300

agaaccggag tgatgagcat atccgagagc ctggataagc tgggaacctt cctntaaaaa 360

acaaccggat nccccgttaa tcctgaccca tccaanggaa agattcccaa tgatntccca 420

accaaaaaaa ttnccttga anattccctc cccgttgata tcacaaaact cacaattggg 480

tntacaaaa 489

<210> 5095
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G1

<400> 5095

catacgggtc cagcacgcgt ccgaaaatat ctgaatgaac agggtttcaa tattgtcggc 60

tacgggtgca ctacatgcat cgggaattct ggggaaatta atgaatcagt gggagctgct 120

attaccgaaa atgacattgt ggcggctgct gtgctatccg gtaacaggaa ctttgagggg 180

cgtgttcatc cactaacaag agccaattac cttgcatctc ctccgttggt ggttgcctat 240

gctcttgctg gcacggttaa cattgacttt gaaacggagc ctattggcaa angaaagaat 300

ggcaaggacg tcttcttaag agatatctgg ccaaccacgg naagaaaatt gctgaagttg 360

ttcaatccaa gtgttttgcc ctgacatgtt tccgaanaaa cttcgaantc aatcaaccaa 420

agggtaaacc ccaagtttgg aataaacctg tccggttcct ganaaaa 467

<210> 5096
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G10

<400> 5096

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ttaaagttat ctccaatgat ccttctccta gcaatgatcg gcgtttcata tgccatggac 120

atgtcaatca tctcctacga cgaaaaccac cacatcacca ccgagaccag ccgtagcgac 180

tcggaggttg agagaatcta cgaagcgtgg atggtggaac acgggaagaa gaagatgaat 240

caaaacggtc ttggtgcaga gaaagatcaa agattcgaga tctttaaaga taatcttcgt 300

ttcatcgatg aacataacac caaaaacctc agttataaac ttggtttaaa ccggtttgct 360

gaattaanca atgaaggagt acgattcaag ttacctgggg gcaaaacgaa caaagaaggg 420

gtttggaaac cantgatngg tancaagncc ntgttggtga agcgcttcct gaatccgttg 480

a 481

<210> 5097
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G11

<400> 5097

ggactccccc gcacgtacgc ccacaatcca agaccactca gaccgattan gctggccana 60

catgttttcc gttgtcggag gtaaggccag gtattcgtgc cgttcggctc cacgatcgtg 120

ccggagaggt ctacaagcac gtgagactgc tcatgcggtt tgtcttggag cctcgttagc 180

gcttcgtgga taatgttcat tcatcactcg tgtcaatgtc ggtacacgtt ttttatgttt 240

gtaatgttaa ggtgtcggta tacattagtc agtcatacta agccatacga taataagaga 300

tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnntgtt tgaacaaaaa aaaaaaaaaa gggnngncgc cccaaangat 420

ncaaaaccta agtnagcntt caatgccaag tcaaaactcc tccaanaatg gtcaactaaa 480

ttcaaatcaa ctgggccgtc ctttttaaaa cc 512

<210> 5098
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G12

<400> 5098

cagaatccac agtccaccca ggcgtccgan ctctttntcc gtaggaaagg ggaagcaaat 60

aaattatcga agcccactgg tttcggagct gatcggtctc tatttctctc ttcatacata 120

tctcaagcag ataaagttga tcggatacta gaatgggagg aggatttaga gttttgcatt 180

tggtgaggcc attcttggct tttctgcctg aggttcagag tgctgatagg aaggttccat 240

tcagagagaa ggttatctac actgtcatct ctctcttcat ctttcttgtc tgcagtcagc 300

ttcctcttta tggaatccat tccaccaccg gtgcggattc attctattgg atgcgtgtca 360

ttcctgcgtc caaaccgtgg aactgtcatg ganctcggta atactcctaa tgttacatcc 420

ggacttgtga tgcaactcct ggctggttcc aaagaataat ganggtgaca acaatgttcg 480

tgag 484

<210> 5099
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G2

<400> 5099

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attaacaagc ttttcaggaa atggatcatt catcaaatag atttggcaat aatggagtgg 120

aatcgatttt accgaattac aagcttggta aaactcttgg aattgggtct tttgggaagg 180

tgaaaatagc agagcatgtt gtcacagggc ataaggttgc tatcaaaatc cttaatcgtc 240

gtaagatcaa gaacatggag atggaagaga aagtgaggag ggagattaag attctacggt 300

tgtttatgca tcctcatatt attcggcagt atgaggtaat agagaccacg agtgacattt 360

atgttgtgat ggagtatgtc aagtctggag aactcctttg atataatgtt gagaaaggca 420

gattacaa 428

<210> 5100
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G5

<400> 5100

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ctgcttgatt ttctttaata tgcaggagtt tgtcagactg acggtgtaac ggaacgggaa 120

aagccaaacg tgagacaaac gctggtcacg gcttatgata cattgctagc cccacaagtc 180

aaaacttgta tcgaagtgtc acattttcct caagacaacg cgcgtttcgt gaaaacgcga 240

gtaaacggcg gtggaataac aacatgtatt gcaacatggt ttagccaact ctgcattctc 300

ctccacagac ttttaaaaga acggcgtcac gaatcctttg acttacttcg cattttccaa 360

gtcgtcgcgg cttcgattct ttgtgggcnc atgttggtgg gactcctgaa ttatccgaag 420

acgtacatga acggacta 438

<210> 5101
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-G6

<400> 5101

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cctgaagcta agggtatttt ggttaattca tacacagctc tcgagccaaa cggttttaaa 120

tatttcgatc gttgtccgga taactaccca accatttacc caatcgggcc gatattatgc 180

tccaacgacc gtccgaattt ggactcatcg gaacgagatc ggatcataac ttggctagat 240

gaccaacccg agtcatcggt cgtgttcctc tgtttcggga gcttgaagaa tctcagcgct 300

actcagatca acgagatagc tcaagcctta gagatcgttg actgcaaatt catctgggtc 360

gtttcgaacc aacccgaagg agtacgcgag cccttacgag gctctaccac acgggttcat 420

ggaccgggtc atggatcaag gcatt 445

<210> 5102
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F12

<400> 5102

cngaattcca aggtccaccc acgcgtccga aaaatccntg aagaaaggat cactggctgc 60

cgaatcaaaa catgtgaagt cagttgtgaa aattgaagat tctactgatg atgataatga 120

agaattcggc tatgtgagta gcagtgactc ggatatggtt acaccgcttt cgcggatgca 180

tatgaagggc aagaaaagag atttaattgt tgacactgat gaagagaaga cctcaaagaa 240

gaaagcaaag aagcacaaga agtctctccc gaattcagat atcaaatata agcaaacaag 300

tgcactactt gatgaactgg gaancatcaa agccgtctga cagtatggtt gttgataatg 360

agttgaaatt tgacgaacaa gggttaaact gtnaggaaaa aattcatcac ttccaagcca 420

ataaagcgtg ttcctaagat naagccagag aaantgaaga aanggaatcc gtgggc 476

<210> 5103
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D10

<400> 5103

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acagcctccc actcaagagt tagttgcaaa ggatttgcat gcaaatgact ggcgattcan 120

acatatattc cggggtcaac cacggnggca tttgctacag agtgggtgga gtgtgtttgt 180

tagctccaaa aggctagttg caggcgatgc gtttatattt ctaaggggcg agaatggaga 240

attaagagtt ggtgtaaggc gtgcgatgcg acaacaagga aacgtgccgt cttctgttat 300

atctagccat agcatgcatc ttggagtact ggccaccgca tggcatgcca tttcacaagg 360

gacaatgttt anaatcaaca caanccaaga acaagccaac ctaatttaat gntccgttcc 420

attaattata tgagtccgtt aaaaataact nctccaattg naagagaatc caaattaga 479

<210> 5104
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D11

<400> 5104

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aattaatctg ccttcaatgg cttcttcagc agcagccatc gtctccggtt ctccatttcg 120

ttcttcacca ttaatccata accatcatgc ttctcgttat gctcctggat ccatctccgt 180

cgtatctctc ccccgtcaag tttcccgccg tggcctctcc gttaaatcgg ggttgatcga 240

gccagacgga ggaaaactca tgaacctcgt agtcgaagaa tcacggcggc gcntgatgaa 300

acacgaggcg gaaacggttc cggcaaggnt taagctgaac cgtgtgggtt caaaaatggg 360

tacatgtgct taacnaaggc tgggcaantc cncccaaagg tttcatgaaa cattaangtt 420

cctccaaaaa cttaatttta acncgttc 448

<210> 5105
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D12

<400> 5105

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnngata atgggagcct atgaaacaga anaaccaact aaanatgcgg cggctctaga 180

gacacagtcg ccggaagatt tcgatcaacc atctccgctt cgtaaaaatc atctccgtcg 240

cttccatcgc cgccggtgta cagttcgggt gggccttaca gctctctctt cttactccgt 300

acgtttcaan tcctcggaat ccctcacaaa tggtcatctc ncatttgggc nctggtggtc 360

caattcccng gcatgantgg ttaaaccaaa ccgtcnggtt tcc 403

<210> 5106
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D2

<400> 5106

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gtcctcgtag aggaaagcgc caagtctggc cacgccactt tcgctctggt tagagaagcc 120

tctctctccg atcccgttaa ggcccaactc gttgagagat tcaaagatct cggcgttacc 180

atactctacg gaagtttaag tgataaagag agcttagtga aggcgattaa acaagtcgat 240

gtcgtgatat cagctgttgg tcggtttcaa actgaaattc ttaatcaaac caatatcatc 300

gatgccatca aagaatctgg aaatgttaag agattcttac cgtcggaatt ggtaatgacg 360

tggatcgtac ggtagcattg agccaacgct atcaagagtt catcactaaa agctcagata 420

aggngtgg 428

<210> 5107
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D6

<400> 5107

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gggggatact acgacggagg aagcaacgtc aagtttcatt ttccgatggc attctcaatg 120

acaatgctaa gttggagtct cattgagtat agccacaaat acaaagccat cgatgagtat 180

gatcacatga gagatgttct caaatggggc actgattatc ttcttctcac tttcaacaat 240

tctgctactc gccttgatca tatctacact caggttggtg ggggactaag agactcagaa 300

tcaccagatg atatctactg ttggcaaaaa ccagaagaca tgtcctacga ccgtcccgtc 360

ctctcttcca cttcggccgc tgaccttggc gcagaagttt ctgcagcctt agctgctgct 420

tcaatcgtat tcactgacaa accggactac gccaaaaagc tcaaaaa 467

<210> 5108
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D7

<400> 5108

cggacgcgtg ggactgcgtc agctcaagca aatagctcag gaggttactc agactaatag 60

tagtgttaat gggtggggac ggcgtcctgc tgccttaaga gctctcagcc agaggctaag 120

cagaggcttc aatgaagctg taaatggttt cactgatgaa ggatggtcag tgataggaga 180

tagcatggat gatgtcacaa tcactgtaaa ctcttctcca gacaagctaa tgggtctaaa 240

tcttacattt gccaatggct ttgctcctgt aagcaatgtt gttttatgcn caaaacatca 300

atgcttttac aagaatgttc ctccggcgat cctgcttcgg ttctgaagga gcatangtca 360

gaatgggctg acaacaacat tgatcgtatc taacaacaac aatttaaan 409

<210> 5109
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D8

<400> 5109

gntgtttcga aagattttgg tttgtttgtt acgtatccgc ttcgtcctga agacagtctc 60

agttctattg cgagatcttc cggtgtatcg gcggatattc tgcagagata taatcccggt 120

gttaatttta actccgggaa tggaatcgtt tatgtgcctg gaagagatcc aaatggtgca 180

tttccaccat tcaaatcaag taaacaagat ggtgttggtg ctggagttat tgctggtata 240

gttataggag tgattgtggc tttgttgttg atcttgttta tcgtatatta tgcttaccgg 300

aagaataagt cgaagggtga ttcgttttct tcttctattc cgttgtctac taaggctgat 360

catgcttctt ctactantct ccaaagtgga ggtttgggtg gtgccggagt gtctcctggc 420

attgctg 427

<210> 5110
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D9

<400> 5110

gtacgtacgg ncctgaatcc aagnccaccc angcgtccga acaaaaccaa aaaaaaaaaa 60

gagaagaaga attagcttac gtgttcatca catctgcatt acgcgcaaac gaaacagatt 120

caaattctcc ggcgaagttt tcttattcat caatcaatct ctggattcat caatcatgcc 180

agagatcgag attgccgccg gcagcggcga caacaacgac gccttattcg gtaaatatga 240

gctcggaaag cttctcggat gcggcgcatt cgccaaagtc ttccacgcac gtgatcgtcg 300

taccggccaa agcgtcgccg tgaaaatcct caacaagaaa aaactcctca caaatccagc 360

tcctagccaa caacatcaaa cgcgaagatt tcaatcatga agaagaatta ctcatccaaa 420

catcgtcaaa gctccacgaa gttatggnga caaaatcaaa agattctcct cccaatggga 480

tttgttaaaa ggaggagaa 499

<210> 5111
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-E12

<400> 5111

gcaacgtagc cctcattnat tccanagtcc acccacgcgt ccganctctc tgctcccaaa 60

ttcagaaaaa aaggaacgat ttttatttcc ggtgaatgag aattttctct cgaatttgat 120

cgatcacata tttcatctgt gtgttttcat tttgaggatg ccagcaacgg aatatcaaag 180

atcattcggg aggtcttttc tgaatttacg gcgagacacg gcggtgaact cggttgagtc 240

aacgacggtt acccccgagt tgactcagat ggaagcagag cttgtttcgt ttcagagaaa 300

agttgctgag aggtttatcg atctcaatgc gtctagttgt gaagatctac tgtctctcga 360

atgggttggg aaacntcctg aatcgtttcc aatcntgtca aagaaaaatt tccggttcaa 420

tantncanna atcanccgtt caatgaatta 450

<210> 5112
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-E2

<400> 5112

accgccactt aaggccgtct cctccgcaat ctccgtaacc aaaaccaccg gcatcgcctg 60

atggggagaa ctaaggagca ggcaacatta actcggtatc caccctgtcc taggaatcct 120

gctaaattca atgatataaa caaagcactc caggaaaaag gatatggtaa ggctctgaaa 180

agaaaacctt ggacgggtgt gacatgccct gtctgtcttg aggttcctca caactcggtc 240

gtcctccttt gttcatctta ccacaaagga tgccgtccgt acatgtgtgc cacgggaaac 300

cgtttctcaa attgtctaga gcagtacaaa aaggcatatg ccaaggatga gaaaagtgac 360

aaancgccag agctattgtg cccgcnttgt aagggtcaag tgaaaaggtg gancgttgtg 420

ga 422

<210> 5113
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-E3

<400> 5113

ctgntcgccc cggtcaccac nnaacgggtc cngccacgcg tccgaattnt aaaaccctaa 60

atccccaaat cgggaactga gattccgatt cgaagatgtc gtcgtcttct ccgagtggaa 120

gcggtagtga tttgactgag agaagaggga tncctgccgc caaattcatc caagatgtgg 180

agacttatct ctctcagtct ggtctcgatt ctaactctgc tctcgccttt caccaaagaa 240

aggcttcagc aatataaagt tgttgagatg aaacttcttg ctcaacaaag ggatnttcag 300

gctaaaatcc caaatattga aaagtgttta aaaggttgtt gccaacttgg aaaccaaaga 360

aaggtactgg gtaaggccct cctaaactga attttgangg tgtcctgaan gaataatatt 420

cacggggcct gcanttgaag acacagactc cantgtgttt tgtgggtttg gaanctaatg 480

tcaagc 486

<210> 5114
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-E5

<400> 5114

ggaaaatcac attattttgt tttgttttct ggtccactcg ttttaaacta cggcgatcga 60

ttttcacggc gagaaatgtc gtcggagctt ggctttgctt tacttaccac cttcacggtg 120

ctcttgtcgt atttaagctt ttctaatggg ttactgcaac ctcgtaggat ttctcatgga 180

ttgtccaaaa gtagcaagta cttgacgagg gatgagctct ggttcactca aaccttagat 240

cactactctc catctgatca tcgcaaattc agacaggaga tactatgaat atcttgacca 300

tttacgagtt cctgacggac ctatcnttct caatgatttg cggcgaangg accnttgcaa 360

tggaatcacc aataactata ttantgtgtt tggcaaanaa ntttgatgca nggaattgtt 420

ca 422

<210> 5115
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-E6

<400> 5115

ntccgtacca aactcaaatt ngcnggtcna cccacgcatc cganttgctt caatcttctc 60

tttatcgctc caccagatcc aagttcgcga gatttcaagc tctctancaa agttcntcac 120

ttttactctc aaagctttca tctttcattc anctacttaa gctccaanta tggcaggatc 180

cgcaccggaa ggaacacant ttgatacgcg tcagtttgac cagaggctga atgaagttct 240

cgatggacag gatgagttct tcacctcata tgatgaggtc catgacagct ttgatgccat 300

gggtttgcaa gagaatcttc ataggggtan ctatgcttac ngtttcgaaa agncttcngc 360

tattcaacan nnaggaattg tacccttttg caagggtcct gatgtgatcc agcaggcaca 420

gtctggtnct ggaaaaaccg ccactttctg ctctggtgtc ttcancaa 468

<210> 5116
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-F11

<400> 5116

gtagccccca caaattccan agtccaccca ggcgtccgga agaaacaaaa aaagctgaaa 60

gatgtggttt tttggatcga aaggagcatc tggattctcg tctcgttcaa ctgcagagga 120

agtcacacat ggtgttgatg ggactggtct cactgccata gtcacaggag catcaagtgg 180

tataggagta gagacagcgc gtgttctttc actgcgtggt gtgcatgtgg ttatggcggt 240

gaggaacact gactctgggt gctaaagtta aggaagatat tgtcaagcaa gtccctggag 300

ctaaactcga tgtcatggga gttaagattc caactcaatt caatcctgtc aaggaaattt 360

gcgtcctgag tncaaatcta ctggtcctcc aatcaacctc cttgatcaac aatgccggga 420

ttatggcatg tccttttaag ctctctaagg acaacatcca gctgcaattc ccaaacaatc 480

aattaagtca atttct 496

<210> 5117
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-D1

<400> 5117

ctgntcgggc ccggtctggn tnaacgggtc nagcacgcgt ccgantcanc ttcttcttct 60

tcaaacaaaa aatgggtttc ttaaagttat ctccaatgat ccttctccta gcaatgatcg 120

gcgtttcata tgccatggac atgtcaatca tctcctacga cgaaaaccac cacatcacca 180

ccgagaccag ccgtagcgac tcggaggttg agagaatcta cgaagcgtgg atggtggaac 240

acgggaagaa gaagatgaat caaaacggtc ttggtgcaga gaaagatcaa agattcgaga 300

tctttaaaga taatcttcgt ttcatcgatg aacataacac caaaaacctc agttataaac 360

ttgggttaac ccggtttgct gatttaacca atgaggagta ccgattcang ttacctggtg 420

ctaaaacgan caaagaaggt tttgaaaaca antgttcggt atcaaggccc ntgttgg 477

<210> 5118
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-A9

<400> 5118

ncgtaccggc ccaccaattc ccgngnccac ccacgcgtcc gaaagacgcg tgggcggacg 60

cgtgggtgat gacgcaatct tggaggaaag aataaccggg cgatggatcc acccatcgag 120

tggcaggagt taccacacca aatttgctcc tcccaaaacc cctggagttg atgatattac 180

tggagagcct ctgatccaac gtaaagatga taacgctgat gttctaaagt cgaggcttgc 240

agctttccac agtcaaactc aaccggtgat tgattactac gcaaagaagg ccgttctcac 300

aaacatccag gccgagaagg ctccccaaga agttacatca naggttaaaa aagcattgtc 360

atgatcaaag actcctcaag caaatcatct cctccgggnt anaatccaat ccttttcctt 420

actaacaaag agaagaagac acatctatat natccaactc atcctggcng gaattgacaa 480

ttttttcctt taaatccctt gcgcctt 507

<210> 5119
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B1

<400> 5119

ggtccanaaa tagacgggtc gagccacgcg tccgntctcn ctccaaattc catgtctgtg 60

tctctttcct cctccgccgt ataattcgcc ggaaaaatta tctccctttg attttcgaac 120

acctccgcga actatgcgct tcttttgccc ttatcctcca actacttgtc ggatctgcaa 180

ttcttcttgt caattcccaa ccctaatcgg agctaatcac acctctgctc gtttctcttc 240

tcgttagtct ctgctccatc tcctcctcag atttaaggga tatttgcttc caatttaaca 300

aacaaaccaa gagctattct tcgttcttta atctctccgt cttgtaaagt agttttagca 360

gtgagataca tacaaatgga gacttcatgg ggaaaccaag cttctacggg aaataanggt 420

cgcgtgcttc ncnttggggg tctacaacgg tggga 455

<210> 5120
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B11

<400> 5120

ccaggcgtcc gnacacgcgt ncgacctctc tcctctctcc tctctctccc ccctggagag 60

attattcatt ccctccaatg gatctccgtc ggaggcctcc taaaccaccg gttaccaaca 120

acaacaactc caacggatct ttccgttctt atcagcctcg cacttccgat gacgatcatc 180

gtcgccgggc tacaacaatt gctcctccac cgaaagcatc cgacgcgctt cctcttccgt 240

tatatctcac aaacgccgtt ttcttcacgc tcttcttctc cgtcgcgtat tacctcctcc 300

ancggtggcg tgacaagatc gttacaatac gctcttcang tcgtcactat canagaactc 360

ggcgccatta atgctcccat tgcntcgttt aactanctcc naaggttttt tggtaatgaa 420

tttggttaat catttaactc aagtncctcc gggtgaagcc 460

<210> 5121
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B12

<400> 5121

gtacgcctcc acaattccaa ggtcnaccca ngcgtccgna aaggggaagc aaataaatta 60

tcgaagccca ctggtttcgg agctgatcgg tctctatttc tctcttcata catatctcaa 120

gcagataaag ttgatcggat actagaatgg gaggaggatt tagagttttg catttggtga 180

ggccattctt ggcttttctg cctgaggttc agagtgctga taggaaggtt ccattcagag 240

agaaggttat ctacactgtc atctctctct tcatctttct tgtctgcagt cagcttcctc 300

tttatggaat ccattccacc accggtgcgg atccattcta ttggatgcgt gtcattcctg 360

cgttcaancg ttgaactgtc aatggaaccc cgtaataccc taatggtaca tccggacttg 420

tnaatcaact cctggctggt ttcaanatta atgaaggtna caacaatgtt cctnaagga 479

<210> 5122
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B2

<400> 5122

cccggtcntg gaaacgggtc nagcacgcgt ccgaaccaat gttgttgcat tcgaagcttt 60

tatagaagaa gtaatctctc ttttttctcta tttctctgta ttactttctc ttttttttt 120

cgtgatggag aaaaacacac cggtgaggaa accacacatg tcgacggcgg atctactcac 180

ttggccggag aatcaaccgt ttgagtctcc cgccgccgta tcttctcgct ccgccgccag 240

atcgcaccag ccgtcggatg gaataagcaa agtcgtattt ggaggacaag ttacagatga 300

agaagttgag agcttgaaca agaggaagcc ttgttcaaat tacaagatga aaagaagatn 360

acanggaatg ggataatccc tgtggtatga agaaaattga tgantctgan nttagcaagt 420

ggctaaattc cgccaacaaa anggnaaatc caagaacttt caagcaacca aca 473

<210> 5123
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B4

<400> 5123

ttaagaaaaa cgtttcattc ttgttttatg tgtgattgtt gttctgtttt tgatttgaga 60

aacaaaaacg atggagatga tgaagattga tcctttattc gatcgtgcca gtgagcttaa 120

agctttcgat gaaacgaaaa cgggtgtgaa aggactcgtc gactccggag tttcacaagt 180

tccacgcatc tttcatcatc caactgtcaa attatcaacc ccaaaaccac ttccctcgga 240

cctgctacat ctcaagacga tcccaacgat cgatctcgga ggacgggact tccaggacgc 300

gattaagcgc aataacgcga ttgaagagat taaagaagca gcagcgaagt ggggtttcct 360

tccaagtgat taancatgga gtttccgctt gaacttcttg agaaagatga aaaaaaggan 420

tcgtgacttc caacg 435

<210> 5124
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B6

<400> 5124

gtaccanact gcaaattcgc nggtccaccc acgcntccga ncacgtggcg tcaggctctt 60

gtccgagacc annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnntgtc tgtcaatgtt ttggattcnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngggcg 300

<210> 5125
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B8

<400> 5125

ttctatcntg gtcgagtggg tacatactgn gaattngccg gccacccacg catccnaaga 60

aagatcaagg cagcatatca gtttttcctt tatactttac ttggatctct ttttatgcta 120

ttagctattc tgttgattct tttccaaaca ggaaccaccg atttacnggt attattaacc 180

acagaattta gtgagcggcg ccaaatcttt ctatggattg ctttttcgc ctctttcgcc 240

gtcaaagtgc ctatggtacn agttcatatt tggttacctg aagctcatgt anaggcacct 300

acggcaggat ccgtcatctt ggcaggaatt cttttaaaat ttggaaccta cgggttttta 360

agattttcan tacccatgtn tcncgaagcg acactttgtt ttactccttt canttatact 420

ttaaagcgcg antgctanaa natatacgtc cttgaaccac tttaagncag a 471

<210> 5126
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-B9

<400> 5126

cnggcgtccg cacacgcgtc cgaccgcgac gaatccgtcg gaaaccggaa tcaccatgga 60

ttttcctccg acgaagcttg attatcatgt agacatgttc aatcttcagt ctcattccag 120

atttctctcc ttatttaagg cgcaagatgg acgcatagct ctaatactag aatcaacggt 180

gtttcatcca caaggtggtg gccagccgtc agacaccggt ttaattgttt tctccggttc 240

ggatttgaaa ttttccgttc aagatgttcg atngaaagac gggattgttc cccaatacgg 300

ggttttcnaa aggtccaatc ctgaaanttg gaattgatan tgagaaangg aaaagaattt 360

tacttaactg nttatgaatc aanggngtta actccantcc aagtttcact cacttggnca 420

cttgc 425

<210> 5127
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-C10

<400> 5127

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actcagtggt gaaaatggag aatcaagagc ctgatatcga gaaattgcct cgagacgatg 120

ttcctgatag agaaccagac cataagaagc tcaagatttc gaccaccggc caggaaactg 180

attcctcggc tgttaccacc ggcggaagca atgtcgctga gcgtagagcg ccgaaataca 240

gacgccggaa agtcgcaatc gtgtttgcgt tctgcggagt agggtatcag ggaatgcaaa 300

agaatcccgg cgccaaaacc attgaaggcg agctcgaaga ggctttgttc catgccggag 360

cagtacctga tgctgatcgg aacaaaccan gaanttacga attgggcaca ttcggctana 420

acggntaang gattaattcc ggtggganaa ttggttccgg gccntttcaa gttggttccc 480

cnggattttg gg 492

<210> 5128
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-C12

<400> 5128

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acaagttatt ttcaaaagat gatgcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcgta ttggtgttac 180

agttgtacac gattcatcag cgtttgggaa gatcaagacg caaacgctgg agtcttatgt 240

ccttattgca acggtggatt catcgaagag attgaagatt cttctaattc caccgtcgcg 300

gcgattccgg cttcgactcc ggaagttaga tcggttgagg aaacacatag atctataatt 360

agacgtcgta gatctaatcg ccggacgtcc tttaatccgg taatcgtctt acacggcgga 420

ngaagaagga gganccggtt aaaaaattt 449

<210> 5129
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-C5

<400> 5129

naaaaaggga aaattaccag acaagagtnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngaaaatcta gaagaagaga aagctacaaa 120

aatctcaaca tcgagtttcc aatttggttc atgcaggtaa gagttttggc tacagagcaa 180

ccatgctaac ttgcgccttc tcccaaaatc ttatccacta atctcggtaa ggaaagtgat 240

gttggcaaaa tggtgaagaa aggaanttgg ttttctgcta tcaaaagggt ttttaatcca 300

nattccaaag agaanctagc caatcangaa acagagagaa agantggnaa annaanagaa 360

naaaaaangt tttngggaaa ctnaaggnat ggggaagacc aattcaattt ctcccanct 419

<210> 5130
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-C6

<400> 5130

tctttctcct ctgtctctga ctcttcgcga aaaccctaat tagctttgtg gtcttgttgt 60

tttcgccatg gaagacgacg gcaagagcag ccccaagtta ccgatccctg naaagagaaa 120

tatactaatc accantgctt tgccttacgt caacancgtt cctcanctcn gaaacatcat 180

cggntgtgtt ctgancgctg aggtgtatgc tagatactgt cgtctccgtg gctataatgc 240

gatttacata tgtggaacng atnaatatgg gactgcaact gagaccanag ctttgggagg 300

gagaattgca tnccnaaagg anatctgtga cnagtaccat gccattcata aaagaagttt 360

atgactgggt ttgggtataa nttttgacaa agtttggggc aaaattnaan tccaagacaa 420

gactgggggg tgtgcca 437

<210> 5131
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-C9

<400> 5131

caaagtcnac ccaggcgtcc ganctcgcaa ncttcgctct tctctttgct ctctctctct 60

caacgcggtt cagatccgag tttgggagat tcaagctccc tgaaaaaagc cctttactct 120

cgcttaccaa ctttgctcca gcatggcagg atctgcacca gaaggcacac agtttgatgc 180

acgtcagttt gaccagaaac tcaatgaagt acttgaggga caagatgagt tcttcacatc 240

ctatgatgat gttcatgaga gctttgatgc catgggtctt caagagaacc ttctcagggg 300

tanttatgcc ttaatgggtt ttgagaaagc cttctggcaa tcaacaaana aggaaaccgc 360

cccctccggt aagggccttg angttaatca acanggtcaa ttctgggaat ggggaaaaca 420

acaacttttc tggcccggng ttcttgcaac aaactggaan tncnccctta accaatgtca 480

agg 483

<210> 5132
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-009-Q1-E1-A7

<400> 5132

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tgaagaaggt atgtcgaaaa aggagattgc tcttcagcaa gcacttgatc agattaccag 120

ttcatttggc aaagggtcca taatgtatct cggtcgtgct gtttctccta gaaatgtccc 180

ggttttctct accggatctt ttgcccttga tgtagctttg ggagttggtg gccttcctaa 240

ggggcgtgtt gtggagatat atggtcctga agcatcggga aagacaacac ttgctcttca 300

tgttattgca gaagcacaaa aacaaggagg aacctgtgtc tttgtagatg ctgagcatgc 360

tcttgattcg tcacttgcta aggcaatcgg tgtaatacaa naaatctgct tcaacacagc 420

tgattgtggc naacaaggc 439

<210> 5133
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-C4

<400> 5133

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tgtgctgatt gagccaacaa gtggaaacac tggagttggg ttagcattca cggcagctgc 120

caaaggctac agagcttatt attacaatgc cagcttctat gagtactgag agaagantca 180

ttctcttagc ttttggagtt nagttggttt taactgaccc agctaagggc atgaaaggac 240

tatccaaaag ggcngaagaa atttggcgaa acaccantgg gtnaatncct caacaatttn 300

nggaacctgg caaacctaaa gttcactatg anaatncggg aactgaaaaa tgggaaagna 360

ccgggggcaa atccaatggc nttgttccgg gaattgntac tggtggtacc aattacaggt 420

gctgggaatt 430

<210> 5134
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-C7

<400> 5134

cctaacgctg tgcaggagct aagagctgac aagcagtaca atctccaaat gctcaaggaa 60

cgctaccaga ttggtccaga ccagattgag gctttgtacc agtacgccaa gtttcagttt 120

gaatgtggca actattctgg tgctgctgat tatctttacc agtacaggac cctgtgctct 180

aaccttgaga ggagtttgag tgccttgtgg ggaaagctcg catctgaaat attgatgcaa 240

aactgggata ttgctcttga agagcttaac cgtctcaaag agattattga ctcaaagagt 300

ttttcatcgc cgttaaacca ggtgcagaac aggatttggt tgatgcattg gggtctgtat 360

atctttttta accatgataa tggaaggaca cagatcattg atctttttaa 410

<210> 5135
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-D11

<400> 5135

ggaaaaaatg tcaggccatg gaagcactga ttctccagct gcatgaaatc ggcgccgtga 60

aattcggcaa tttcaagctc aaatctggaa tcttttctcc ggtttacatc gaccttcgtc 120

tcatcgtctc ttatccatcc ctcttaacac agatctctca aactctcatc tcttctcttc 180

caccttctgc aaccttcgac gtcgtctgtg gtgttcctta cactgctctc cctatcgcca 240

ctgttgtctc tgtttccaat ggtatcccta tgcttatgcg gcgtaaggag attaaagacn 300

atggaacatc taaagctatt gaangaatct tcgaaaagga tcaaacttgt ttgataattg 360

aagatcttgt aactagtggt gcntctgttc tcgagactgc tgctctcttc gtgctgtggg 420

gt 422

<210> 5136
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-D5

<400> 5136

ggaaaatagg atctccttct tccccgattc tcagcgttgt ctccagctca ggctcattgg 60

atccgaaaat tagtggatca cttggatctc gaatccttcc ggctactcaa agatcatccc 120

catcggagaa tcttctcctc cataggaaaa tgtcgtctaa ttccctgagg catgtcgagt 180

ccatgtccca gctaccctca ggtgccggaa agatctctca attaaacgcc gtcgtgttag 240

gagaatccct tgcatcggag gagaatgatc tcgtctttcc cagcaaggaa ttctccggcc 300

aggctcttgt ttcctccccc caacagtaca tggaaatgca taagaggtcg atggatgacc 360

ctgctgcttt ttggtctgat attgcgtctg agttttactg ggaaagcana aatggggtga 420

ccaagtgttt cc 432

<210> 5137
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-E10

<400> 5137

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aaatggcaaa catcagcgta gtgacgacag cgactaacaa ccaggtgatt ctccgtaact 120

acgtgagtgg attccctaaa gaatccgacc tctacatcgc cgcaaccacc gttgacttac 180

gtgtacctcc cggatccatg gcggttctag tcaagaatct ctacttatct tgcgatcctt 240

tcagccgcat tcgcatggaa aaacccgacc cttcgtcacc tgcttccgtc gctcgcgctt 300

actctatcgg caagccaatc tctggatttg gagtggctaa agcaatagat tcatgtcatc 360

caaattacaa aacaaggaga tttactttgg ggaagagttg gatggggaag agtatagtgt 420

tattactcca actccttctt cacatttcaa gattcatcac actgatgttc c 471

<210> 5138
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-E12

<400> 5138

gcgtattttc aaggattggc aaatgtggac tatgaaccat cgaggcaacc tatctcgaaa 60

cttgagtttg agtttgagag gaggaaattg actcgcgatg acgtgaggga actcatgtac 120

agagagattt tggcgtatca tccacagatg ttgcaagagt atctacaagg agaagagaac 180

ataaactcnc antttctata cccaagcgga gttgatcagt tcaaacaaga ntttgcccga 240

ctcnaagaac acaacgacga tgaagaggaa cacaactccc caccacatca gagaaagtac 300

acgtcactcc ctatagaacg ggtgttgctc atcagaagac nanngttctg attcagttca 360

tgctcaatcg tcttcagctt cngntggtgt ttacaccctc cacaggactc cancacacag 420

cnaacgggct tatcat 436

<210> 5139
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-E3

<400> 5139

gcggacgcgt ggggaaaagc taaccacaag aggaggagag aaactcgata acaaacaaga 60

gaaagagaaa gcgagattct aaaatctaat ctcgtgcttc caattcaaat aattttgtct 120

ccttagcgga tcgatcgtag attataaagc tccgccgtcg cctccgccgc aatcgacggc 180

ggtgtctacg tcgctttcgt ttcgtgcgta acaggaggag cagcagcaaa ataagtcagc 240

ttaagtaacg ccgtctttga tttgacttga gataagtatt ttggtgatat ggcattgatg 300

atgtttccgc atttgctcga cgttgacgaa aagtaaaatg ctggcgaatt ggaagaaacc 360

acatacagat tgatgctctc ttcaatcgac tcntttgtaa atttgttgaa acttacgggg 420

tcnaaaggtg tgt 433

<210> 5140
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-E5

<400> 5140

gcccacgcgt ccggtgagtt ctgctgaaga tgcttgtatc cgcgtctgga gctttactcc 60

tcaataagac ttgacgtaaa ttataaagat ctctggacaa gtcctatctt gtctctttgg 120

aaagcttcta ctacttttga aggctttttt tgtgaatctt ccgtttggcc gtggctgtgt 180

tgatgtgtgt gtctgttttt ttttttttgtc tgcatatctt ttgtcaaaaa tgaatgctct 240

gttttggtct gaaactgaga tcttgagtca gatttttttt cattatcaag aagattactg 300

ataaaanana naaanganga nnaaaaaaaa aaaaagggcg gcnncctcca aaanggattc 360

caaagcctta acgttacgcc ggtgcaaatg ccaaannтca aaaagcctcc ttcctaaaaa 420

ttggccancc naaaaatttc aagtttcacc gng 453

<210> 5141
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-F10

<400> 5141

gaaaaaaact gatttgttta ctctgttaat cagagaactt tctctgagaa aataacagga 60

attcagttag ttcttagttc ctatcaatca ccagctgaat aaattcgttt ttaaaagaga 120

acgaagaaat tcaaaaaacc caattctgct ttttcccgat aacttcgatc gtcttcgctt 180

gggttttgtg taatttgagt ctgtgaattg aaccgagccc caccaaagta aatgctccat 240

aacgttgaaa acattttctt ctttatacaa gaatttcaaa ttgtttcact ttctccatag 300

gggtttttgg ggttctctgt ttttctttga cgaattttga ttttgcaaat tcaggaaaaa 360

agtttaaacc tttaatcgtt gtttaaagga tcgattttta atttcctact caaattggga 420

tcag 424

<210> 5142
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-F3

<400> 5142

gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtttccctca catcatcctc 120

ctcctccgcc tgatgagttg tttgacattt cgactacagt tgatcctagc tatcttattt 180

cactgataag gaaactcctt ccaattgatt cgggaagtga cgaacgacat aatgatcata 240

tgaatacgga taatgtggtt caaggtgtag tagctatatc tggaaatggg gttgttgaga 300

cttccaatgg tgatccagag agcatggaca ttggagataa tcatgatgaa tccacttatg 360

aggtggggga gacggttagt tcatgtccaa cgccgggaat gcaaagacgg gtcatccggc 420

atgggaaaat naatgg 436

<210> 5143
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-F5

<400> 5143

tttggcacct tagattctag taaagtttct gcgccaggtc aaccaacgat caaggatctg 60

ttggatcttt acaactttag aagaatttgc cctgacacaa aggtatatgg aattattggc 120

aagcctgtca gccacagcaa atcacctatt gttcacaatc aagctttcaa ntcanttgat 180

tttaatggag tatatgtcca cctgttagtt gataatcttg taagctttct tcaagcatac 240

tcatcctctg atttcgctgg attcagctgt acaattccgc acanagaagc tgcattgcan 300

tgttgtgatg aagttgattc attggcaaag tctataggag ctgtgaacnc tanacnaaag 360

gncaaaaang tgaccngnaa gttgttgggg ttacanca 398

<210> 5144
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-G11

<400> 5144

tccgccgcgt gtagggaang aattcggngg tcgaacacgc gtcngtttnc tcgagaaaan 60

gaaaaaaaaa gatggtagga agaagaaaag ctttactctt ttctctctgt ttcttcntcc 120

tcnctcttcc ttccttcnct tcccttccat ccttccaaac cctattcccn aattctcatt 180

cccttccttg tgcttctccc gtctcattcc aaccngactc cgactccgag tcactgctag 240

aatccgaatt tgaanccgga tccgactccg agtcntcntc ttccattact cgaaaactng 300

angacatcga tgctcnctcc tccaacataa cannngacga gctattcagc tcncgtcncc 360

aacgtgactc ccggcgcgtg aaaatctatc gccacactcg ccgctcaaat ccccgggaaa 420

gaaacgtgac tcacgcgcca cgaccgggtg gattcagnaa gctcagtcgt c 471

<210> 5145
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-G2

<400> 5145

gggcaagctg ggaggtacat gaagagttat caaactctct gtgagaagta tccttctttc 60

agagatagat cagagaatgc agatcttgtg gtggaaattt ctttgcagcc atggaaggtg 120

tttaagccag atggggtgat tctgttctca gacattctca ctccattgtc tggaatgaac 180

ataccttttcg acattggtaa agggaaaggg cccatcatct ttaacccgcc tcaatcaagc 240

tgccnacgtt gcccaaagtt aaagaattcg tancaaaaga atctgttcct taatgttgga 300

naagcantca aaangantaa gaaatgangt gaacaatgaa accgctgttc cgggaattgt 360

tgggagctcc aattacanct tcctccgaag ttaatcnaaa ngnggtccan cnaagaactt 420

cacaccngat taaa 434

<210> 5146
<211> 231
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-G5

<400> 5146

gcccacgcgt ccgggacaaa tcagacagaa ttgtccgnnn gttcnannna actcgctgct 60

acatgatgtg gtcgaaatcg ttgactttgt cagctctatg taacataacg ttgtctcgat 120

atatgtggca accaaaaata tgttttatga aataaagtgt tctcaaaatg tttatgaaga 180

acatttcgtc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngggc g 231

<210> 5147
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-G7

<400> 5147

gaacagcttc aatactatgc cagtctcctt cgaaaaccca gctcggagtc ctttacacgg 60

ccataactct agcctctata ggaacaggtg ggacacggtt cacattagca actgctggtg 120

cgaaccagta tgaaaaaact aaagaccaag gaagcttttt caactggttt ttcttcacaa 180

catatctagc cggagctata agtgcaaccg ccattgtcta caccgaagac aatatcagct 240

ggacccttgg gtttggtctg tctgtagccg ctaatttctt cagtttttg gttttcgtct 300

cggggaaaag attctacaag catgacaagc ctttgggaag tcccttcaca agtctactat 360

gcgtcatttt cgcagcatta cgcaaaagaa aagctgtggt ttccaccaac gaaaaagact 420

accacaat 428

<210> 5148
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-C1

<400> 5148

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tggttaactt catggtgaaa acacacaatg aaaggcttag tcgtttgctc gttgcgataa 120

ccgtaccgtt actgtaccgt ggcttccggt acagcctctt tgatttcaat ggtgaaattc 180

tccggaggat caatgaacca tcactccatg gatatactga tacaacgact tcttgctgcg 240

gaactggatc gagaaatgca tacgggtgcg gttatagtaa cgtgcatgct aagctctgca 300

gctaccanaa atcatttttg ttcctcgacg ggcgtcacaa caccgagaaa accgatgaaa 360

gaagttgcta atccgtttta atcccggaga caaacatgtc gtccctccga tgaatataaa 420

aggatctcgt aggtaaa 437

<210> 5149
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H7

<400> 5149

cattgaatat ttggtttgca atggaaagag attttctggg tttgagcgac aagcagtatc 60

taagtaataa cgttaagcat gaggttaacg atgatgctgt cgaagaacga gggttaagta 120

cgaaggcagc tagagaatgg gggaagtcaa aggtttttgc tacttcaagt ttcatgcctt 180

cttcagattt ccaggaggct aaggcgtttc cgggtgcata ccagtgggga tcagtttctg 240

cggccaatgt tttccgcaga tgccaatttg gtggtgcgtt tcaaaacgcg acgccgcttt 300

tactaggcgg ttcagttcct ttaccaactc atccttctct tgttccacga gtgggcttcc 360

tccggatcat cctcctcaag ctcacaatcc ttttatggcg gnactataag cntccttaat 420

gacatatctc cccgataagg ctcaancca 449

<210> 5150
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H8

<400> 5150

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagcagatca aatgatgctt gttcgatctg 120

tatttcgatc tcagttgcga ncctctgtct cgggtggtct gcaatcggct tcttgctatt 180

cttcattatc tgntgcttca gctgaagctg agangactat cagagaangt cccagaancn 240

attggagtac agatgaaatc aagtctgtnt atgattctcn tcttcatgac ctcctcttcn 300

atggaactca ggttcataga catgttcata acttcacgga ngtacancan tgtaccctcc 360

tctccataaa gactggtggt gtatgaagac ngtcatantg tcctcagtct cgagatatan 420

cactggactt aaggcacana gaccatgtcn aagacgtgtc attgatgcgc 470

<210> 5151
<211> 638
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H9

<400> 5151

ggccccaacg gggttaaccc cgggggggttc cccnaagaga aaatttcccc ccgggggggg 60

gtncncaaan nccccaanag ggccgcgttn cccgnggggc caaanccccn cggggttncn 120

aatncccngg ccccnggggg ttttnnccaa atncccaaat gtgggcngaa attggggcng 180

gcccgttaaa acaaatnggg gggaaaaacc caaaactttg gggcccctnc cggggccggg 240

aaggccaaac ctttcaatcc aatccttcaa ataatttggc aatccaactc ctaacccctt 300

ccttgggcaa tgaagaacgg gttggtncct gggcctttcc aagcaattaa catccgttaa 360

tgctccggga actactgttt tgattgccaa cacactaagt gtcaccaaat gggtggagat 420

cctggtgata aagcgcgggt tatccagact atattgttta tgtcgggcat aaacacgttg 480

ctacaaacgc ttatcgggac aaggcttccc acggttatgg gaatatcctt cccgttagnt 540

ccttcccgtt attgtcnata atcaagagat tacaacaatg gtcaantcga tcccganaaa 600

cagagaattc cgacatacta atgagaaacg gtacaaag 638

<210> 5152
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-A10

<400> 5152

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cacaccctaa agagagatcc acgctcgttt caaggggttc acagatgcca caaccaccga 120

tgatgcggca gtcgtcagct tcttccacta acatcaatcc cgactaccac cacccatctg 180

gcccccttcga ccccaatgta gacagttttg gggcgaaacg aatgagaaag catacacaga 240

gaagagctgt tgattacacc agcaccgttg ttagatatat tcaggctcga acatggcagc 300

gagactcaan ggatatgacc actctgcaac caaccccagc tgcagcagtt gatatgcttc 360

ccacagttgc ctattcggat aatccttcaa caagctttgc tgcaaagttt gttcacgcat 420

ctctaaacaa gaaccgttgt tcaatcaacc gtgtantgtg g 461

<210> 5153

<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-A11

<400> 5153

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tcannanact cggctgcaaa aaancaaaan tgagctctca aatctgcana tctgcttcca 120

aagcatgcca aatctcttct ctcgttcagc taaaaatgct cgcttcttct ctgaaggacg 180

agccantggt gctgcagcag cggtttcggc gtcaggaaaa attcctttgt atgcatctaa 240

ctttgcacag atcatcaggt tctggtgttg cttctaagag ttggctcact ggacgcttat 300

gctcntcctg ctgcaactta tatgattcaa gatcaatgan gttcttgcng ctnagatgga 360

acgancttt attgctanca agcctgatgg tgtgcaaaga gnactgatat cagagatcat 420

ttcacgattc gaacncantg gattcaaagc taagttggta gcaaaatcaa tgttccctct 480

aa 482

<210> 5154
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-A12

<400> 5154

ttacngccca tgtaccggta angaattccc ggntcgaccc acgcgtcagc tgaaagaatc 60

aagtgctgca gaactcaagc tatcttcagc aatcattatg gccggagtgt tatgtttcct 120

anctgcctta atctcgagcg cangtggaat cggcggtgga ggtttattca ttcctatcat 180

gactatagtt gcaggggttg acttgaaaac cgcgtcaagc ttctctgctt ttatggtaac 240

cgggggatca attgctaatg taatcagcaa tctctttggt ggtaaagcat tgcttgatta 300

cgacttagcc ttgcttcttg agccttgtat gcttttagga gtaagtattg gtgttatctg 360

caacaagagt tttgcctgaa tggctcatca ctgttccttt tcgctgtgtt ccctcggctt 420

ggtccaanct tgaagaantt gtanaannng gagtcaantt tggaaaactt tg 472

<210> 5155
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-A3

<400> 5155

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gtttctggct tccgaagaag aaaagatcat gcgcgaatac tcgaatcgag agttctatgt 120

tttgtggaaa ccatagccag agattggaag gtcaatggat tccatgccct attgatcctt 180

ctcactctgt gttgcaggag aatctcgaat ggcatgtaaa gagatgtcct ttacttaaac 240

aaactgtaga attgtctggt caacgatttt atcagaaggg tattaatgct gggaacgacg 300

aagaagaaga aaagatggga tcttgttctc ttgttactca gagatgaaga gaaatcctgc 360

tccatantat gagtgtttcn aaagtttcat caacttatta aagaaaaatt gaggatgttc 420

aatggcggta tttgtaaaga tatccgaaga ttcgtatttg tc 462

<210> 5156
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-A5

<400> 5156

ggctgactct tcttctaact ttctatttct tccaagaata acaaactttt ttctcataag 60

aaacaaaaca agaattctac aaaacttctc attaaacctc tgttttcttg tttctcttct 120

gctctgtatt ttcgataatt ctctctgttt tgtatccttt cttattttct gtgaatctgt 180

ttttttatgg aaatttaatt caaaggctta ttagaggaag aaagaaagaa aaagaaaaaa 240

aaaacccact ggagctatgg ctgttgaaga taacaagaac agtgaaagca aaaatcatca 300

agaggtagag cttcatagga acgacttagg cctcgaagat tcatcatcgc caagaggtgt 360

tctcggaatg gtttcagatt ccgacaacag cagcaagtag ttgcaagctc ctggtcctct 420

gatgataaat ca 432

<210> 5157
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-A6

<400> 5157

gntttggcca angaaattac tactcaagca aagcctgtga atagaattgg ttttattggt 60

cttggagcaa tgggttttgg catggcagca cacctgttga aatcaaattt ttctgtctgt 120

ggttatgacg tatacaagcc aacacttgtc agatttgaga atgccggggg attggcggca 180

aattctccag ctgaagtgac gaaagatgta gatgttcttg taattatggt aacaaacgag 240

gttcaggctg aggatgtctt gtatggacat cttggagcgg ttgaagctat accatctgga 300

gcaactgttg tacttgcgtc aacagtatct cccgcgtttg ttagccaact tgaaaggcgt 360

ctagaaaatg agggaaaaga cctaaagnct agttgatgcc tcctgtgtct ggtggtgtca 420

an 422

<210> 5158
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-B11

<400> 5158

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caagtgtacc agatgctgtt ctatggtgtg atgttcagct aaccaaagat gctcttggta 120

tttgcttccc tgatttaaca atgagaaatt cttcatctat tgaagctgtt taccctactc 180

gacaaaaatc ttacccggtt aacggagttc ctacttccgg ttggttcacc attgatttct 240

ccttgaaaga tctcaaagat gttaacttga tccgaggtat tttatctcgg tcagaaaagt 300

tcgatggtaa ttctaacccg attatgacgg ttcaaagcgt atccacgcag atgaaaccat 360

cattcttctg gttaaatgtt cagcacgatg cgttctacgc gcaacacaat ttga 414

<210> 5159
<211> 425
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-B12

<400> 5159

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gagctcgaag aaggagaata tgggtttgag aactgataat attatggctt cgtttcgagg 120

tggaatcggg gtttctaatg gctgagtcaa ctcggtgatt ctgtgttata gtcacgagca 180

aatataaaaa agtttgtaac tttcttgttt ttttaggtgt gtgtgttcag agaaaaggtc 240

gaatcttttt tcggtgtttg taaaagggaa agttgtaatc ttaaagtctg tttttctttc 300

ttgtgttttg ggtatttaac tcataaaagc cgaaggagta atataaagga tangttttgt 360

ctttgtgtgc ccttttgaga ttgcatgaag aaaaaaagcc tcantgtgtt ttgaangaaa 420

cagaa 425

<210> 5160
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-B4

<400> 5160

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gaagcgaaaa ccatggatta gggtttttca gtttcctctt tcaatcgatt aacccacaga 120

acaaagtatc tcttaccttc gggtttagat attctcttcg tctccgtcta tatatcattt 180

ctcaaagtcg acttacgaat ttgactcagg agatatttcg tttgtgattt tgttaaggct 240

agcttcaatt ctattcanat taatcaatgg attctcagaa tgctcgtggc gccttggaca 300

atcccttgtt gggggattaa gntacccctt anggngcgct tttggnggtc ctaaggngaa 360

ctccaataat gaacaatgct tggacttcac nagggtttgc tcaaggccgg angttgagca 420

tatcnttctt gg 432

<210> 5161
<211> 429
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-007-Q1-E1-B5

<400> 5161

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ttaaagtttc acccaaaccg agaaaagaga gaatctgtgc atgttgctca gaaaatcttc 120

aaagcgtaat ctgggcttac gttagctctc acgaaccccc aaggatcttc natatatgtt 180

ttttcatttc cccataaaat ctttcattat ctaaaaaata ttattatcgt atctttttc 240

ttctatatat tcttcctcct caatcttgat tcttgtttct tgagtattct ttgatgaatc 300

gtgaaatgac gtcaagcttt cntctcctga cgttcgccat atgtaaactg atcatagccg 360

tgggtctaaa cgtgggcccc agtgagcncc nccgcatccg gagccanaga tgtcgacggg 420

caantcaac 429

<210> 5162
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-007-Q1-E1-B9

<400> 5162

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tttcggagaa ggaatcacct aaaccctttc aaatctcttc ttctaccaaa tatatttttt 180

tggatgaaaa aaacttctac caaattctca gattttattt ccttgagggt tttgtgtttt 240

ttttgcatgg tctaagttga tttctgaaat ttaagtatat cttgtttacg ataatataga 300

aaaaaattat tggtgttttt gtgtgtttat aatttatctt gggtcaatga taatagtgga 360

cgacgagtcg gtgtcttaag ggtttacttt ttgtaaagaa aatttcctgt tgaataatg 419

<210> 5163
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-006-Q1-E1-H6

<400> 5163

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gtcttcttcc atttcatcgc tgctgagttt gactctgcga gtcctcgtgt tctgagtcaa 120

ctcgtgaggt cgacttttcc ttcgttgaac tttaaagtct acatttttag ggaagatacg 180

gtgatcaatc tcatatcttc ttcgattaga ctagctttgg agaatccgtt gaactatgct 240

cggaactatc tcggagatat tcttgatcga agtgttgaac gagtcattta tcttgactcg 300

gatgttataa ctgtggatga tatcacaaag ctttggaaca cggttttgac cgggtcacga 360

gtcatcggag ctccggagta ttgtcacgcg aacttcacca gtattcactt ccgggttctg 420

gcagacccgg ctt 433

<210> 5164
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G1

<400> 5164

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cggctacttc atccatcgct ccttctcttt catgcccatc tccttcttct tcatccaaaa 120

ccctttggtc ttccaaagcc agaaccttgg ctctacccaa tatcggtttc ctctcgtctt 180

cttccaagtc tctgaggtcg cttactgcca ccgtcgctgg aaatggcgcc actggatcct 240

cccttgccgc tcgcatggtt tcttcgtctg cggtcaaagc ccctgtttct ctcgattttg 300

agacatctgt cttcaaaaag gagaaagttt ctcttgctgg ttaacaaaga gtacattgtg 360

agaaggaaga aagagactgt tcaagcaatc tcccaaaatg ccttcaaagg ggaataanca 420

agatttggtg ttaantggct gggggggattt caagggacct g 461

<210> 5165
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-006-Q1-E1-G11

<400> 5165

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agcggttcag atccgtctgc ttctactaaa gaatacatct gtgagtcgca aacactcgtt 120

gaccggaaaa gacactgtga gaacgaagct gtggaggaac cagagccaaa acgaagactg 180

aaaaaagata actcacagag ttcagattct gtctccaaac ctggaaagaa aaacaaattc 240

gtagtacacg cagctggtga tgttggtatc tgtggtgatg gatacaggtg gcgtaaatac 300

gggcagaaaa tggtgaaagg aaatcctcat ccaaggaact actaccgatg cacttcagcg 360

ggatgtccag tttcgtaaac acattgagac agcagtccga gaacacaaaa gcagtaataa 420

tcacataca 429

<210> 5166
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G2

<400> 5166

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gtgggcggac gcgtgggtgt aaatctctct ttgaaggttc ctaactcgtt aatcgtaact 120

cacagtgact cgttcgagtc aaagtctctg tctttagctc aaaccatggc tagtaacaac 180

cctcacgaca acctttctga ccaaactcct tctgatgatt tcttcgagca aatcctcggc 240

cttcctaact tctcagcctc ttctgccgcc ggtttatctg gagttgacgg aggattaggt 300

ggtggagcac cgcctatgat gctgcagttg ggttccggag aagaaggaag tcacatgggt 360

ggcttaggag gaagtggacc aactgggttt cacaatcaga tgtttccttt ggggttaagt 420

cttgatnaag ggaaaggact gggtttctta gacctgaagg aggacatgga agtgggaaaa 480

gatctcagat gatgtt 496

<210> 5167
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-006-Q1-E1-G3

<400> 5167

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ttcgaatcgg acagagaatt tcttccgtag tttttcttgt aagcgaaaaa gaagtttagt 120

tagctcgtgt gagagaaggg tgtaatgagc tgttttggtt ggtgtgggag tgaggatttt 180

cgcaacgcta ctgacactgg cccaaggcca gcgcataacc cagcaggtta caatggaggc 240

cactaccaaa gagctgatcc acccatgaac cagcctgtta ttcccatgca gcctatttct 300

gtaccagcca ttccagtgga tgagctgaga gatataactg ataactatgg tcaaagacct 360

tgatcggcaa gggttctaat ggaagattgt ttaatggtgt cctaaaaacc gtgtgcaact 420

gcaacaagaa cttgacccta gtaa 444

<210> 5168
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G5

<400> 5168

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aaataaaatt aattaatgtg agaaaatcaa ttcaaaaatt tggacatacg tatcatctga 120

gagaagaagg gtttggtgaa taccggcggg tggaaccgac ggcgatggcg aagaccggtg 180

ttttcgattc ggatccgacg gcgattgcta aagccaagga actgaagcgt gagatgaaga 240

agttgctgat taagatcgat gacgaagatg atttgggtgt tcagacgatt gatcagttac 300

aggacgcttt gtctgcgttg agagaagcga cgatgaggaa gatggcgaaa atctcccccg 360

ttagagaatg ctccaagact gtgtcttggn cctgaaggag ttccgttggt cctccccccn 420

aatgaacctt atgaagggat tccgtcgttt tgggctcc 458

<210> 5169
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G6

<400> 5169

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cgttaatgca acgatcccat gctccttcct gcaggttgaa aaatgacacc ggagacggat 120

gctctcaaag ttcagatcct acctaagcac cagtcattgc cctacacagt cacgaaggcc 180

aagtcgaaat cattgatcct gctagttgtc gtttccgtga ctatcacgtt agggttatta 240

ttatatgttt tcaactcaaa ttctgttata tcttccggaa gtttgcttag tcggagatgt 300

aagctccggt acagcgtcct tatcgacgca gggagttcan ggacccgggt tcatgtgttc 360

gggtactggg tttgagtccg ggaaancccg ttttcgattt cngagagaaa cattacgcta 420

atccgaagtt gactcctggt t 441

<210> 5170
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G7

<400> 5170

aaaagagctc tgctttgaga tcttagccat taagttctct tgatgatgtc tggttcaaga 60

ttagcctcta gactaataat aatcttctca ataatctcca catctttctt caccgttgaa 120

tcgattcgac tattccctga ttcattcgac gatgcatctt cagatttaat ggaagctcca 180

gcatatcaaa acggtcttga ttgctctgtt ttagccaaaa acagactctt gttagcttgt 240

gatccatcag ctgttcatat agctatgact ctagatccag cttacttgcg tggcacggta 300

tctgcagtac attccatcct caaacacact tcttgccctg aaaacatctt cttccacttc 360

aattgcttcg gggtacaaag tcangggtcc ctccgccaaa gaaccctaac ctccggtttt 420

ttccctcctt ggagtttcaa aagtccn 447

<210> 5171
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G8

<400> 5171

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gtanctggcc atggatgggt taccaatcca caacctagag gttacaccgg tactcaggat 120

ggtgctancc aaactgctgc ctgtggtatt gcaggaacat accctcaagt tgtttctctg 180

accaacggag attacttgaa cgtttcttgg acaatcggag gcggacacga tggaaatgga 240

gttggaccaa acacttgcag attcgcttgg tctctttccg atacctctac taccgatttc 300

aatagccacg ttctcattga cggcctcaac tgctcaagct ggaaacaaat tcanatcttt 360

ccaagtcaac actgcagtga ctactccatc tactgcttac ttgcaattta natngtccgc 420

ctggtgaatg gnggtg 436

<210> 5172
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-G9

<400> 5172

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cttctaatct tcaangggat cgacgttaat ggcggctccg gcgccggagg angaatgtac 120

gtgaaggtga tgaccgatga gcagtatgaa actctcagga aacagattgc tatttacggc 180

accatttgtg agcgtcttgt tgagatgcat aaaactctca ctgctcaaca agatcttgca 240

ggatggagaa tgggacgact atatgcagac ccaatgatgt catctttagg tcataagatg 300

acagcctaga cagaaggtgg actcctacgc cantccaagc ttcaagantc ctgggaacgt 360

tataattccg attaaaggca cngggaaaca acctaagcaa agcaagaaag atttaanaga 420

cattaccaga aaga 434

<210> 5173
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-006-Q1-E1-H11

<400> 5173

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cgaatccttg agagattgag agggacaagc gagttttgac ccaaggattg ttgacggtct 120

atattgaaca agtaaacaag gatgcgtaag tggatctgtt gtacatgtca aatagaagac 180

tcaaatgaag agcaacaact gaaaagttca cagcagcaat ctgatgcaaa tcataagaat 240

tcaaaaccag cacctgttgc aaaacatgag gttaagaagg aagctcttcc catcgaggtc 300

cctcccttgt ctttgggatg aggtcaagga aaagactgaa aattttgggt tcaaggcact 360

gattggtgaa gggtcttatg ggagagtata ttatgcgaca ctaaatgatg gtgtggcggt 420

tgctctg 427

<210> 5174
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H12

<400> 5174

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acactctaaa acaaaaccat gactttgttc catagactcg atctcatcga tccgtacacg 120

tgtacaccac tcatcgtccg tgaaacctcc attgttgaac cttcatcatt gttcctaggg 180

tttccttcct tcatcgacga agacattgaa gatctcttcg agttttcatc acctaatcct 240

ctcgatctat tcgaaaccgt gacggatctg gttaagatta agaaatctcc gtcgtcttgc 300

aagtacaagg tgattcgtcg gagattagag ccggagtatc cattgaaagt atctttgtga 360

ccgtgttctg atttggaatc aagtttgata nattggtaat cctaagagtg ataagaagta 420

tacattgaca aaggagataa agggaaatgg tgaaaggaat ataaatggga aggcggan 478

<210> 5175
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H3

<400> 5175

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aaaactttgg aattagcttt acctccatct ccaccgtctt tagttccttc ttttaactac 120

aattccaccg cacgaagcgt cgggaatgat gtcagaacca acttcgatgt tcaacttttt 180

ctaaggaaac ctaaacacca aaaatcagaa cctgtcgtcg ttattcaaca acctcagatt 240

caaccgcaaa atccaagttc tcgttgttct acttctgata ttctcagact aatggattct 300

ctttctttac caggaaacga agatatttac tcttgtcttg ccaaagaatc agccagagaa 360

aacgatcaac gtggagctca cgagctacaa gtgcatatca tgaaagtcca agtantaaga 420

cccacgatta actttaanca atcgtcctcc tttggatgca tgtttccgtg tggggcgttt 480

aagatattac acgccaagat gttcc 505

<210> 5176
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-H4

<400> 5176

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aaagcttgta actttgaggt atacatggct gcttctgatc aacaccggtc tcgccgtcac 180

gacgagagct cttcaagacc caacaagaag aagaaggtaa gcagaaaccc agaaacaaat 240

ctcctcttca atctcaattc atgctccaag tccaaggacc tctcagctgc attagcactt 300

tatgatgcag ccatcacttc cagtgaagta cgtctcaacc agcaacattt tcaaacgctt 360

ctgtacctat gctcaacttc cattactgac atatctcctc aatacttgcc aattgaccgt 420

ggttccaaga ttt 433

<210> 5177
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-006-Q1-E1-H5

<400> 5177

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aggagagaag acaaaagtgg cggttactac gaagactttg gcagatccat tgaattgggg 180

tttagcagcg gatcaaatga aaggaagtca tttagatgaa gtgaagaaga tggtcgaaga 240

gtatcgtaga ccagtcgtga atcttggcgg agaaacactg acgatcggac aagttgctgc 300

catctccacc gtaggaggca gcgttaaggt tgagttagcg gagacttcaa gagccggtgt 360

gaaagctanc agtgattggg ttatggagag catgaacaaa ggtactgaca gttacgggng 420

tca 423

<210> 5178
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-006-Q1-E1-F9

<400> 5178

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naattccccg gctttaaatt ncaaattngc ccggatnnat ncanaattaa natnccccnc 120

tncgttttgg ttttnctttn ggattcaaaa gctcctctta aatcctggta aatcaacaat 180

ggcccgccac cactgagaat ctccctcaac tcaaatccgc cgtcgatggc cttactgaga 240

tgagtgagag tgagaagagc ggattcatca gcctggtttc acgttacctg agcggtgagg 300

cacaacacat tgagtggagt aagatccaga ctcctaccga tgaaatcgtt gttccctacg 360

agaaaatgac cctgtctccc aagatgttgc cgagaccaag aatctgttgg acaaaacttg 420

ttgtgttgaa gcttaatgga ggtcctggga acaacaatgg gatgcactgg gcccgaaatc 480

cgtta 485

<210> 5179
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-E8

<400> 5179

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aattttctga gttggattag ttggttggta aagagatgga tccggatacg gtgaagtcga 120

ccctctcgaa tctggcattc gggaatgtat tggcggcagc tgctagagat tataaaaagg 180

aagttcttgc aaatgaaaag gcacaaggat caagacctgt caacgaggaa gttgatcttg 240

acgaattgat ggatgatcca gagctagaaa agnttgcacg cagataggat tgcagcactc 300

aggagagaaa ttggaaaaga gagaagcatt caaaagacaa aggacatggt gaatacccga 360

gaaattaacg aaaggcgact ttcntgggga anaagtccca aaggagttga aaaagttata 420

tgtcacnttc aacacaaagg agtt 444

<210> 5180
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-F1

<400> 5180

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaaagactct tnctnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnaga tggggaaagg tgagagtgag cttgancttg 300

gtctaaggct gagtcatggc ggtggaacng ggggcaaaga ttggtaaatc aagtggtggn 360

nngngcnttg gggaaaacgt tgnaaggctt tgacggcaaa gatttcctcg gttn 414

<210> 5181
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-005-Q1-E1-F11

<400> 5181

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cgcttcttcc tccatcatcc gagctgcttc ttctcgctct tcttctcttt tctctttccg 240

atcggtttta nctccctccg tttcatctac ttctccgtcg tctcttctcg ctcgtagatc 300

ttttggtanc atttcccctg ctttccgtcg ctgggagcna ttcctttcac tcgaaaccat 360

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<210> 5182
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-F2

<400> 5182

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aaggcgaatc atcatgttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agatatagat 240

cttaatttgt ccctagatga gttctttagg agatatacta gtgaggataa cgagagcttt 300

tcgaagantc ntgaagaang gtaaatanga aagaangaaa ggagaaatta tggntttccc 360

cctttaaagg tgaaaaagga ngatggtaaa tccaattgag ggatntnaaa gaagaagata 420

aggattacag attgggtaat ngtacatcct ga 452

<210> 5183
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-F4

<400> 5183

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atattctaag gctaacaaca atgtacctgc gactaggaat caaaactcta gctccaattc 120

gcattacacg agtatgtacc agcctgcatc catgacaggt tatgcagctc agggttacta 180

cgacagagtg tctccaaaca agtcatatgg tcagtatggt agcacggtga ggtctggtat 240

gggttatggt tcttctggat atggttcaag aacaaatgaa agaggatggc tcaatacaga 300

caacaaatat agaagccggg gaaggggtaa cagttacttc tatggaaatg agaacattga 360

tggcttgaat gaactaaaca nggggcccta gagccaaggg cacnaatggc acagaagaag 420

ttanctcaaa agaag 435

<210> 5184
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-F8

<400> 5184

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ctctatctct tctcctcang aagcctaaaa atctcganan nanagntccc aagtttcgna 120

tttcaacgat gtgaatctct ctctctttcg ggtttatttt gtttcccgat atggtttaga 180

atttgtgatt taaatggaag ctgacgtgtc aatttcctga aaaaaccctt atcgcgaaat 240

tttccagatt agcaaaannc acaagattga aacttttttc gatttgtttg gagaagannc 300

acggtaggaa cgacgacgat gaatcgtgct ttgggcccac gtttaaatgt ttgtactgtt 360

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<210> 5185
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G1

<400> 5185

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cttccttctc cttcacccgc gcgtcacgcc gctccatgta gctacctcct cggccgcgtc 120

gccgagtatg cgacctcttc accggcaagc tctgctgcgc catcctctgc tcctgctaag 180

gatgagggga aaaagaccta tgattacggt ggcaaaggtg cgatcgggcg tgtttgtcaa 240

ggtcatcggt gccattgtca tgtgagattc gaggatcagg aaggattgcc tccgatnatg 300

acatctcctt gaaggttaan gattaaccca aaaagggctg gtggctttaa ggtgtcccaa 360

tcaatttggg tcaaaatgtt cttaaggaac aattgctaat gggatggtaa tgaaaggtcc 420

ttgtccgttg gaaaggnaag gttccaaaca ctggg 455

<210> 5186
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G11

<400> 5186

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tgttgatctt gagccaactg tgatcgacga ggtcaggact ggtacttacc gtcagctttt 120

ccaccctgaa caactcatca gcggtaaaga agatgcagct aacaatttcg cccgtggtca 180

ttacaccatt gggaaagaga ttgttgacct gtgcttagac cgtatcagaa agcttgctga 240

taactgtact ggtctccaag gattcctcgt cttcaacgct gttggtggag ggactggatc 300

tggtcttgga tctctcctcc ttgagagact tctgttgact aagggaaaaa gtccaaagtt 360

gggtttcaca gtttacccat ctccacangt ctctacctcc gttgttgagc ct 412

<210> 5187
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-G12

<400> 5187

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gtggaacgaa gatcttgttt ttgtagctgc agagccattt gaagaacagt tcttcttgac 120

ggtcgaaaac aaggtgacac cagctaaaga tgaagtcatg gggaggctga tctcaccttt 180

gagcgtattt gagaaaaggt tagatcacag agctgttcat tccaaatggt acaacctcga 240

aaagtttggg tttggggctc tggaaggaga caagagacac gagctcaagt tctccagccg 300

aatccaccta cgagtttgcc ttgaaggagg ttaccatgta atggacgagt caactctgta 360

catcagtgac gtgaaaccta cggcaaggca actatggaag tctcctaatg gcatccttga 420

a 421

<210> 5188
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G2

<400> 5188

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acggtgtaca cactcaggtt gcaccaaagg agcagaagga agcacgccgt tctgtaaagg 120

acatggagga ggtaaaagat gtgcctttca aggagatgat ccttgctcca agagtgttca 180

cggaggtacc aatttctgtg tggcacatgg cggtggtaag agatgtgcgg ttcccgaatg 240

cacaaagagt gctagaggaa gaactgattt ctgtgtcaga catggtggag gaaagagatg 300

tcagtctgaa ggctgtggca aaagtgctca aggtagtacc gacttttgca aagcacatgg 360

agganggaaa aggtgtgcgt ggggtcaacc cgagactgag tatgcgggac agtcttcttc 420

tggtccttgt acctcgtttg 440

<210> 5189
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G3

<400> 5189

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ttgagtcatt caatttttcc atcactgggt ttttctctct gaatccgatc ggagaatcca 120

gtcgattact aatctagcgc tctctttttt tctactcgat gacttatcac gaagaagacg 180

atacagtttc tgaatttcga gttagagttg aagaagatgg agttgataaa ttaggtcatt 240

atgttaaact tactgaagat ttcgaagtac atcgacaaga aacagaacaa gaatccttca 300

tcatcaaccg tcttcctcct tccntcaatg tgggacaaga aaaccgattc ggtttggggt 360

tttgggattt aaaaaccctg ggnccntttt ccntcnacnt ttttcaaaan nggccntttg 420

ggggtccncc gcctggggtt taacaaaaaa tggggnnnaa naaaccccct ttaaaatcca 480

angggggg 487

<210> 5190
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G4

<400> 5190

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acttttgtgt tcactataca gccatgattg agtgttacat accgaagatt actaaacgtc 120

ttcgggatcc ttgtgaagtt gttanaaggc aaaccttcat acttctctca aggttactac 180

agagagacta cgtgaaatgg agaggagttc tcttccttcg attccttcta tcgctagtgg 240

atgaatctga aaagatacgt cgacttgcag acttttttatt tggnagcatc cttaaagtaa 300

angcgccact tctaacctta caacagtttc ttggaagcca atttatgtcn taaacgactg 360

ccaagcccac actgggcata ataatccaag nttctaaaca atc 403

<210> 5191
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-G7

<400> 5191

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tccatgataa gtgaacatgg ccaattcntt acgagganaa gtattgaatc tttataagaa 120

tctgctgtat cttggacgag actatccaaa cggagcagnc tanttcaaaa ggcgtctgaa 180

naangttttc cttaanaaca annatgtgaa ggacccatag aagatcaagg aacttattga 240

aaggggcaaa tttgtaactg aaagaactag aagcattata cttccttagg aaatacagan 300

ctatgaaaca acgcnattac tcagatacca acaaaactaa atgatcagta ttactatcat 360

ttgactgaag atcattgcca nctgtttatg tnccagctat gacaaaaata acatttacag 420

tgtcaan 427

<210> 5192
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-H1

<400> 5192

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ttaagaaggt gccatcttct tactgaccac gcaattcaaa agctggcatc aagtctcaag 120

ctggagaatc ttgacctcag agggtgcaga aacctgaggg atgaaacctt gacagctgta 180

tctcatctgc caaaactgaa ggttttactt cttgatggcg ctgatattag cgacacaggg 240

ctttcgtacc taaaagaggg agttttggac tccctagttt ctttatctgt cagagggtgc 300

agaaatttaa ccgataaagt tcaaggtcaa cttaantttg acgggttctc aaaaactggg 360

cgtttgcggg aactccaact ttgtcctaat cctcccaaat ccaacnggtg ctggcaattt 420

tgctccaaca aaatcctggg 440

<210> 5193
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-E7

<400> 5193

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catcttcttc ccaaaaccat tcattcgtct ctaggctcct ccttctcctt actctacttc 180

cagtttccct tgcttgtctc gcctttatcc tccaatggcg angcggtggt ctcgccgatc 240

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aagtctttcc cggcatggag actgtttcat ctgtctcccc aaagtctcac caatcctcct 360

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agtttggtgt 430

<210> 5194
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-C11

<400> 5194

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aaattcaatt ttcccgagat ttttgtttct ctcgatcgat tcaacaccta aagattgaag 120

cttttgctcg tgggttatgt aaagtttcca cctttcgtct tctttctgat ctgtgagcaa 180

aaatgggaca acagcaatca aaaggggaat tgctgtatca gcaagttagt tatggtaact 240

ctgaaggaat tcgagctctt catcgagatg gtggagacct tgagtggatg gatagagaag 300

gaaaaactcc gttgatcttg gcttgtatga actccgagct atttgatgtt gctaagactt 360

tgattgagtt gggttctaat gttaatgctt ancgtcctgg tcgtcaa 407

<210> 5195
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-C12

<400> 5195

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actctggaga ggacttcgtt cacatcgatg accctaggcc taccggcgat atctctttaa 120

gcgacagcat agttaatgtg gagaaggatg aactgctcga cgaagcggcg gaggaagaat 180

ttagaggctc cgattctgtg tttagcggcg gcgatggcgg tggagcggat gatgatggcg 240

gcgagtgttc atcggaggct actaaagtgg agctaccgga ggaattggcg aaaagtgttg 300

tgattctgac gtgcgagtca acagcggatg gtggatcttg cgatgtgtac ttggttggta 360

ctgctcatgt atcaaagcaa tcctgtcttg aagttgaaag caataatcag catcttga 418

<210> 5196
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-C4

<400> 5196

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atggagagat ctatgttcag ctcaaagaaa gtgttagagg ttgcgatgtc tttttggtgc 120

agcctacttg cactccaact aatgagaatc tcatggagct attgatcatg gtggatgctt 180

gccgaagagc atcagctaag aaagtcacag ctgtgattcc gtattttgga tacgcaagag 240

ctgatagaaa gacacaaggg cgtgaatcta ttgctgccaa attggtagca aaccttataa 300

caaaancccg gtgcaagata agggtcctgg gcttgttatn ctcaatcaaa ggacaatcca 360

tgggttaatt tgacatacca atgggatnat gtccaantgc caacctggtg atacttgatt 420

aaccntgcta acaaagtcaa tttccccctg aa 452

<210> 5197
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-C5

<400> 5197

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cactccttca cacactcctc accttctcca tctccctcac tcacaattca accgtcctct 180

ctcctctatc tccttccgtc gcttccctct aacaaccatc aaatacactt cnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngca 300

agtacttctc tcacctaacg gtactgggtg ctgtgaagtc tgatgagaga ttccgttgtc 360

gctacggcgg gttacgactg atagtctggg gattgagggt tgatactgtg aagggaagct 420

gagcttaang gagaatgg 438

<210> 5198
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-C6

<400> 5198

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ggtcaggtta tcacttgcaa agctgcggtg gcttangagc cnaacaagcc tctggtcatc 120

gaagatgtgc aagtggctcc acctcaaact ggtgaggttc ggatcaagat cctcnacact 180

gctctttgtc acaccgacgc ttacacttgg agcggcaagg atcctgaagg tctctttccn 240

tgtantctag gtcatgaggc tgctgngatt gttgagagtg ttggtgaagg agtaactgaa 300

gttcaaactg gagatcatgt tatcccttgt tatcaanctg agtgtcgtga atgcaanttt 360

tgcanatctg ggaagacnaa ctttgtggca angtganatc tgctactggg tgttgggaat 420

atgatgaatg accgtaa 437

<210> 5199
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-C9

<400> 5199

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tccaaccacc accgtcactc ctcctcccgt tgccactcca ccacccgccg caactcccgc 180

tccgaccacc actccaccac ctgccgtctc ccctgccccc acctcttctc ctccgtcttc 240

agctccttct ccgtcgtctg atgcccctac cgcttctcca cctgcaccgg aaggtcccgg 300

agttagcccc ggcgaactag ccccgacacc ttccgatgct tccgctcctc aactaacgcc 360

ggctttaacc aacaaaagct ttcgtcgtcg gttcacttgt cgccgcgatt aatta 415

<210> 5200
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-D12

<400> 5200

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna aaatggctga 120

accaatcacc aaggagcagc ctcctccacc tgctccggac cctaattcca cctaccctcc 180

tccgtccgat tttgattcca tctcgatccc tccgttagat gatcatttct ccgatcagac 240

tccgattggt gaactaatgt ccgatctggg gtttcccgat ggtgaattcg agctcacttt 300

cgacggtatg gacgatcttt acttccctgc tgagaatgag tcgtttctca tccctatcaa 360

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<210> 5201
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-D2

<400> 5201

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cgtctatgct tgggaagccg tgcttggcga aaactaattc gttacttggc agagatgcga 180

tgctttttg ggcctttggg agatggaata tgcagtcctg aacgcgtttt ctggaaactt 240

gattctatgg aaagctttc gaggatgaga cagtctataa ggaggaatta ttctgggact 300

gatcatcacg gggcagcagc agattatgac gatcagacag aaacaaaaag tgataatggt 360

aacaanggtt ctcaatcaaa tcctccctgt tgttgctgct gaaagtaata ttaatggaaa 420

taacgtatga agangatgaa ca 442

<210> 5202
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-D3

<400> 5202

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gatgcaataa ctatggaaga tggagccgtc tctgtaaaca atagggatct gcaagagata 180

aaggaatcat ccttctctaa aggaagtgag caatatcgag ttgatggagc ccttgaagaa 240

agtttgaatt ttgaggagaa ggaacaagaa tctgaagctc agagactatt ggaagcagag 300

aagagaagat tgctggctga aatcgaactt gggtcaatcc ttaaggaaga agtgttgatg 360

tggatacgtt tgcccaaaga tcgaaagaga cgatggataa tgatgtttga taagantgaa 420

ntgggttgat natactgcct ttgg 444

<210> 5203
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-D4

<400> 5203

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ctggagctcg caaatctggc tatcgaaaac cacaatcaca aactcaactt cggggccttc 180

aaggccaatc acaagaaagt catgggacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnngtccac cgtggctaat gccaatgcta cgagggagtt acttcgtccc ttgttccatc 300

catgtcgatt caaacaaaaa cgaatgcaat ttgttctgtc ttgattgtgc tggaaatgcc 360

ttttgctctt actgtttagt caaacataaa gancatcgtg ttgttcaaat acgaaagatn 420

ttccgtaaca taacgttgtg aaaatgaatg aagatacaag aagttcataa acatcgcctg 480

tgttcaaaca tatantat 498

<210> 5204
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-D5

<400> 5204

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agcgatggcg atgatagagc aaaggccgaa gacgaagatc gtttgtactc taggtccagc 180

ttccagatct gttccgatgg tcgagaagct tcttagggct ggtatgaacg ttgctcgttt 240

caatttctct catggatctc atgaatacca tcaagagact ctcgataatc ttcatcaagc 300

tatgcttaac actgggattc tctgtgccgt catgctcgac accaaggggt ccaagaaatc 360

cgaancgggt tcttgaaaga tgggaaacca atccagctga aacaaggaca agagatcact 420

atttcgactg actnt 435

<210> 5205
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-E1

<400> 5205

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ctcccaagcc ggnaaccgaa gctatcgctc tcatccacca cgccattcac tccggcgtca 180

ctttccttga cacctccgat atctacggtc ctgagaccaa cgagcttctc ctcancaagg 240

ctctcaacga tggggtgaga gaaaaagtgg aacttgcgac caaatatgga atcaggtatg 300

catatgggaa agtagaattt tangggagat tctgcttang taagaaactg cgttttgaan 360

ggctaatttt aatgccaagt aaatgtttgc ctgcaattga ttcncctaan taatcaagca 420

atccgaaatt tggtaactcc ntggtcccct attc 454

<210> 5206
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-E3

<400> 5206

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aagaatgcat cccacttgct taagtatgac tccatgcttg gaaccttcaa ggctgaagtg 180

aaaattgtgg acaatgaaac tattagtgtt gatggtaagc tcatcaaagt tgtctccaac 240

agagaccctc ttaagcttcc atgggctgag ctcggcattg acattgttat cgagggaaca 300

ngagtgtttg ttgatgggcc aggagcaagg aaagcatatc caaanccgga gcctccaaaa 360

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gagcaaagac ta 432

<210> 5207
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-E5

<400> 5207

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ctcctttaac ccttgatcat caccgattca atcaattcgg aatcacaatt tcaaatcgag 120

agaatttcaa tttctcttgt aaaaccctaa attatgtaca gcaatttcaa ggaacaagcg 180

atcgagtacg tgaagcaagc ggttcatgaa gacaatgctg ggaattacaa taaagctttc 240

cctctataca tgaacgcgct tgagtacttc aaaactcatc tcaagtatga gaagaaccct 300

aagatcagag aagctattac ccanaaattc accgagtatc tccgtcgtgc tgagggagat 360

tcgtgctgtt ctcgatgaan gtggatnggg tcaagatcta acngtgatgc aagccgtcgc 420

aacganggcc aaaaa 435

<210> 5208
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-C10

<400> 5208

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catggatccg agactacaac atgctgctga aaccggaagc atcaatgact tttatgctct 120

gattgaggag aatccttaca ttcttgataa catcaatgcc gtgccatttg ttaacactcc 180

gctccatgta gctgcagctt ctgacaacat tccatttgcc atggagatgc tgaatcttaa 240

gccatcgttt gccagaaagc tgaacacaag tggctacagt ccattgcatc ttgctgtgga 300

aaaagatcat agagagttta taacatggct gctttggcgt gatcccggac ttgttcgcgt 360

taaagggaga gaaggaatca caccttcca tctcttagcg attagaggag acgtaaa 417

<210> 5209
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-004-Q1-E1-H4

<400> 5209

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agagacggcg atgattctac gccgatgggg tttccttcaa gttgcggaaa cacgcncngt 120

gactaaattg ttccgaanga cgacgacata cnganttttcg tngtntctcc tctgctaant 180

acttgtcgan cttctctcat atgctcttgt ctcaaaagca aatcctccca agaaactact 240

cagattgaac agttggggaa tggagaaggg ttctcagttt tggcatcaga gattccatgg 300

gaggatgata acatatggag cacatttgct ctttacatgt tctctctgca tattcctctc 360

agttttgggg gtttatccat tgttgccaan atactccacc ggcaggttct tgatcctcaa 420

acncaagtgc tatcacttgt ggttctccaa aaggtanaaa tttc 464

<210> 5210
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-004-Q1-E1-H5

<400> 5210

gctaatctag taaatagaca aagaaaacaa catggctgat tctaagatga agctccactg 60

tggctttatc tggggtaatt cggcagctct cttttgtatc aatgagaaag gtcttgactt 120

tgagcttgtc ttcgtagatt ggcttgctgg tgaagccaaa accaaaactt ttctctctac 180

tctcaaccca tttggtgaag tcccggttct tgaagatgga gatctcaaac ttttcgaacc 240

aaaggcgatc acgcgatacc tagccgagca atacaaagac gttggaacaa atctattacc 300

agatgatccc aaaaagagag caatcatgtc gatgtggatg gaagtagata gcaatcaatt 360

tcttcctata gcatcaacac tcatcaaaga actcatcatc aatccatatc aagggttaan 420

cc 422

<210> 5211
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-004-Q1-E1-H9

<400> 5211

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agtaatggca agactcacga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnc gacaagagct atggaggcaa acttttcccg ggttattacg cccattcatg 180

cccacaagtc aatgagatcg tgagatcagt tgtagctaaa gctgttgcta gagagacacg 240

tatggctgct tccttgttga gacttcattt ccacgactgt ttcgttcagg gttgtgatgg 300

ctctttgctt ctagacagca gtggaagggt agcgactgag aaaaactcaa accctaacag 360

caaatcaact cgtgggtttg acgtanttga ccaaatcaaa gctgaactgg agaaacaatg 420

ccctggaact ggtttcttgc gctgatgttc ctaaccc 457

<210> 5212
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-A1

<400> 5212

ttatcngcca ggccccggtc aagnaanccg gggccgaccc acgcgtcngc tcagatctga 60

gaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaacaa 120

caatggcgac accaggagct tcctcagcaa gagatgaatt cgtatacatg gcgaaactcg 180

ccgaacaagc agaagcgtta cgaagaaatg gttgaattca tggagaaagt cgcgaaagct 240

gttgacaaag acgaactcac cgtcgaagaa cgtaatctcc tctccgtcgc ttacaaaaac 300

gtcatcggag ctcgtcgtgc ttcgtggaga atcatttcat cgattcgaac aaaaaggagg 360

agtctcgcgg taacgatgac cacgtttcgt tgatccgtga ctacaagaaa gcaaaatcga 420

aaacgggact ttccngatat cngtgacggn atccttaaan cttctcgata cgaattcncg 480

ttcccccgg 488

<210> 5213
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-A2

<400> 5213

tgaaagatgg ttttttttatt ctcaaggaga agtttcgaaa agggatcaat cctcaggaga 60

aggttaagat cgagagagag cccatgaagt tgtttatgga gaatggtatt gaagagcttg 120

ctaagaaatc tatggaagag cttgatagtg aaaagtcttc taaagatgat attgatgtta 180

gactcaagtg gcttggtctc tttcaccgta gaaagcatca gtatgggaag tttatgatga 240

ggttgaagtt accaaatggt gtgactacaa gtgcacagac tcggtattta gcgagtgtga 300

ttaggaagta tggtgaagat gggtgtgctg atgtgactac tagacagaat tggcaaattc 360

gtggtgttgt gttgcctgat gtgcctgaaa tcttgaaaag tcctgcctct gttgggttaa 420

cgagtctc 428

<210> 5214
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-A3

<400> 5214

ccgttacttc gatcccaccg attcgaatca ttctctctct ctttcttgat ctgaaaattg 60

agtcccaatt ccagcaaaat tatcaatcga ntttctgatc aactgagcgc gacggtggtg 120

gcgacggtgg tggcgacggt gacagcgatc gacggttatg gcttcgaaga ctaaaactag 180

tttgtccgaa acaacaaata ctactactcc taccgggaaa tcatctccag caactccaag 240

aatagcaaan agaacagtta ataaatccga aactagtaat aataattctc atctactact 300

actccacatt cacgtctttc tcttgatcgt tctctccaaa ttccaaatct tccggttgag 360

agangatnac caangcttca actcctcctg agaaatctca agcgggnagt acaagcggtg 420

aaaaggaaca g 431

<210> 5215
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-B1

<400> 5215

gcggacgcgt gggtgataat atgatggacg atgttcccct tgctcaacga tcttcaaatg 60

agcactatga cgaggctacg gaggatagct gcagccgcaa gctcgaagct gctgtttcga 120

aatgggatga gactgatgct atagtcgtct ctggtgccaa gcttacggga agcgaagtac 180

ttgataaaga tgcagtaaaa aaaatgtttg ctgtaggcac agcttctcta ggacatgtac 240

cagtgctgga tgtgggccgt ttttccagtg agattgctga agctcgtcta gcacttttcc 300

agaagcaggt tgagatcact aagaaacatc gaggggatgc aaacgttagg tatgcctggc 360

ttcctgcaaa gagggaagtt ttatcagcag tgatgatgca aggacttgga gttggtggag 420

cattatcaag aaat 434

<210> 5216
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-B12

<400> 5216

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gggagaaaat ccgataccat ctgagatttc caacagtgaa attaagatgt caacaggaat 120

atccactgat ctacacgtcc attttggagc tctgaatttc tcaaaaacct acaaatctgg 180

tttaagcaat cgaacggtgt ctttttcgag agtcgggtat gctcagaaca ggaaattgag 240

ctgcagtgtt tccaacacag agaatgtagc tcctaaggat gatgaaagag gaaaggatag 300

acctttggtt aagatgtgtg gcatcacatc agccagagat gcagctatgg cagttgaggc 360

tggtgccgat ttattgggat gattatttgg ccacattcaa aacgatccaa ttctc 415

<210> 5217
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-005-Q1-E1-B3

<400> 5217

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gcgtgtgctc tctccaaagc tatagcagag ggcattgctc ttggtactga tataggcgag 120

gcgaatctgc tcaaacgtta tgaagcagag agaaaacctg caaatatagc aatgatggcg 180

gttttagacg gaatccagaa gatctactcg ttggatttcg gaccgctgaa tgctctaaga 240

gcagctgcat tccacggggc tcactacatt tcgccgctta aaaagcgtat catatcttat 300

gcttcaggag agcaatcttt gccgctattt tcttgaagaa tgcgaaggat tgttcgcttt 360

gttctcaaaa tactccgcat catctcctcc tttgccctaa atagaaattt aatggggact 420

gaaaaca 427

<210> 5218

<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-B5

<400> 5218

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tttttctgnn caaaaattcg tntcaaaatt taacatattt tttttattat gagaacaaat 120

cctactactt caaatccaga ggtttcgata cgtgaaaaaa aaaacctggg acgtatcgcc 180

caaatcattg gtccggtact ggatgtagcc ttccccccgg gcaaaatgcc taatatttac 240

aatgctctgg tggttaaggg tcgagatact cttggtcaag aaattaatgt gacttgtgaa 300

gtacagcaat tattaggaaa taatcgagtt agagctgtag ctatgagtgc gacagatggt 360

ttaaagagac gaatggacgt ggttgatatg ggaaatcctc naagtgttcc agtcggcgga 420

gcgactctag gacgaatttt caacgtgctt ggggaacccg ttgataattt agtctnata 479

<210> 5219
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-B6

<400> 5219

ggagattcat tactggagtg cttctccttc accaaggacc tatccacaag tttcagctct 60

ctacttcttt caaacaatgt cgtccagata ttgatcagtg gttgcttttt ctttcgagga 120

acgggattaa ggagcttgtt cttaagttag gtgaaggaga attcagggtt cctgcatgtc 180

tctttaactg tttgaaattg acctgtttgg agttatgtca ttgtgagttt gatccgcctc 240

agtatttcaa agggttttcg tatctgaaga gtttaaacct tcaccagatc cttgttgctc 300

ctgaggttat tgaaagtctg atctcaggat gtccgcttct cgaagttcct gtcttgtcta 360

actttgacag ttgggttttg agtataacaa ctccgaatcc catgtacttg taccnagacn 420

ggcgaattca aagac 435

<210> 5220

<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-B8

<400> 5220

gcgcaaaatc atttgcacgt tctacgcaac tccataattt caattcctct cgacgtttca 60

cggcgaagct tcagatctac ttttccccag ctcagtatgg agacggttga ttctcggaac 120

aaattgcatt cccggttacg tttatgggaa ttccccgatc agtacatcat cgagccagct 180

gatggctcag gctcttcatg tttggatatt angtcgtgtt gatgcttcca tgaagctcat 240

cgatcaagtc ccagaaagca attccgtgcg tgtccctaaa atccgttcca tttttggtgt 300

ggttgggatg ttgaagctcc ttgcaggatc atacttggtg gttgtaactg agagtgaacg 360

tgttggatcg tttctggggc atcctatatt caagagttac aacgcttaag gttcttcctt 420

gtgatattca cttaaaa 437

<210> 5221
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-C1

<400> 5221

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tttcccctgc taagtctaca tccttcaaga acgttagctg cagcgctcct cagtgtaagc 120

aggtaccaaa ccccacgtgt ggagcacgcg cgtgctcttt caacctcacc tatggaagct 180

cctccattgc ggctaacctc tctcaagaca cgatacgtct tgccgccgat ccgatcaaag 240

cctttacatt cggatgcgtc aacaaagtcg ccggtggagg aaccatccca ccacctcaag 300

gcttgttggg cttgggacga ngcccacttt cactcatgtc acangctcaa tctatttaca 360

aagtccactt tctcttactg tttgccaagt ttcaaggccc ctgaacttct ccggttctct 420

canactccgg ccctaactcc 440

<210> 5222

<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-004-Q1-E1-H12

<400> 5222

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ggggattggg gtgaggaact tgacattaat gttgatggaa tggagaacat ccttctctct 180

tcctctaccc tcatttccac cgccgatgac ctagacgacc tctctctctt ccaccgcgcc 240

gtcgtctctt cctccaccaa caacaaccgt cgtctcatct ccctctctcc aaatccaccc 300

ccaaagatcg ctttcctctt cctaacaaac tccgatctaa ccttcttacc tctctgggaa 360

agcttcttcc aaggtcacca agatctctac aacgtttaca tccacgcaga ttcaacctcc 420

tccgtctctc ctcttctcga ttcttcatca atcaacgcta aattcatccc gggga 475

<210> 5223
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D4

<400> 5223

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tcntgcttac tgttttcact ctttgtatgc tttgttcagg ggttagggca cagctaagcc 120

ctgacattta tgctaaatcg tgccccaatc tagttcaaat tgtccgtaaa caagttgcca 180

tcgccctgaa tgccgagata cggatggctg cttctctcat tcgtcttcat ttccacgact 240

gctttgttaa tgggtgtgat gcgtcgttat tgttggatgg agctgacagc gagaaactcg 300

cgatcccaaa cattaactct gctagaggat ttgaagtaat tgatacaatc aaagccgctg 360

tgggaaacgc atgtcccggt ggttgttcct gggccgaaaa cctcaacttt gccgcccnga 420

<210> 5224
<211> 486
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D5

<400> 5224

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ttgacaaggc tcgaacaggc atactgtggg aatatcggat ttgagtatat gcacattgca 120

gatcgagata aatgtaactg gttgagagaa aagattgaga caccaactcc ttggcggtac 180

aacagggagc gccgtgaggt gattctcgat cggcttgcat ggagtactca gttcgagaat 240

ttcttagcta ccaagtggac aacagccaaa agatttggac ttgagggagg agaatcatta 300

attcctggaa tgaaggagat gtttgacaga gcagcagatc ttggagtaga gagtattgtt 360

attggaatgt ctcacagagg aagattgaat gttctgggta atgttgttcg gaagccactc 420

cgtcagatat ttagtgagtt cagtggtggt attangcctg tanatgaagt tggctacact 480

ggaact 486

<210> 5225
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D6

<400> 5225

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gatgcatgcc atcgttgggt ttccttttca tgcgagggga ttaagtanga cttactacat 120

gatgagctgt cctttcgctg aacagattgt gaagaacagt gttaacaatg ctcttcaagc 180

cgatcccact ttagccgctg gtcttatccg tatgttgttc cacgactgtt tcatcgaggg 240

atgtgatgcg tcaattctgc tanattcaac gaaagacaac actgcggaaa aggattcncc 300

tgcgaatccg antcnaagtt ggtaacaaga ttatccattg attcnaangg gnaaaatcna 360

gaatanatgt tcaaagantt tgtnncaagg nccagttaaa nttgccaatg gntggcaaaa 420

natgcggtct ttttg 435

<210> 5226

<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D7

<400> 5226

naantttttt cgcatcggct tcttcctttt gctactagct ctcctctctt ctccgaaaat 60

ggcgttacaa aacaaagaag aagagaaaaa gaaagtgaag aagttgcaaa agagttactt 120

cgatgttctc ggaatctgtt gtacatcgga aagttcctat aatcgagaat attctcaagt 180

cacttgacgg cgttaaagaa tattccgtca tcgttccctc gagaaccgtg attgttgttc 240

acgacagtct cctcatctct cccttccaaa ttgctaaggn actaaacgaa gctangttag 300

aagcaaacgt gaagggttaa cggagaaact agcttcaaga acaaaatggc cgannccent 360

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<210> 5227
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D9

<400> 5227

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gaactcaaag atgttgcagg aggaaaagtt aaccaggcac atcttgatcg tgccaaggca 120

gccacaaaat ctgcagttct gatgaatttg gaatctcgga tgattgcagc agaagacatt 180

ggtagacaga tacttacata cggagagagg aaaccagttg atcaattctt gaagtcagta 240

gaccaactaa ccttgaaaga cattgcagac ttcaccagca aggttatttc aaagcctttg 300

acaatgggtt cctttggaga tgtgttggct gttccgagct atgacacaat aagcagcaaa 360

tttcgttgaa gcaaaacaaa caatttgcca aatcaacaat attttgggac ntgttaaata 420

aaga 424

<210> 5228
<211> 432
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-E2

<400> 5228

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tcagatgaca gatggagttc ctccgccacc agagcaaagt tcgttagacc accgggattg 120

acgagcttga gagacaagaa agagatcgat gattggcttc cgataacttc atcgagaaac 180

gcgaaatggt ggtactccac gtttcacaac gtgactgcca tggttggagc tggcgtcctt 240

ggtctccctt tcttcatggc ccaactcgga tggggaccag gcatagcagt cctgatacta 300

tcatggntaa taacacttta cacgttaagg caaatggggg anattcatga naatgggtcc 360

cgggaaaacn ctttnttccc aacaangaac ttggccattt cncatttggc aaangtcttg 420

gcctttaaaa aa 432

<210> 5229
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-F12

<400> 5229

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agtcgtcaaa tttcacagct tgattctctc tcaacccaac cacacaatcg caatctctct 180

tctagacacg ctcgctcgtc gtctaggtct cggcttcaag caacacgaac caggtgcttt 240

tctcctcaag ttcccacacg tgtttgagat atacgagcac ccagttcaaa gaatcctcta 300

ttgtcgatta acccgtaaag ctttggatna aatccgtcac gaacacgaag ctgttctcga 360

ccaaataccc gacgccgtga cccgggttga ggaaactcgt tatgatgtcg aatacgggtc 420

ggttc 425

<210> 5230
<211> 426
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-F6

<400> 5230

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aaccgnangg nnccgtcgcc accaccggtg anacatgtgc cggagtcagt tctgccggct 120

aaaccaccaa agaggaacaa ttatgcattc gcgtgtgcta tcttagcttc catgacttct 180

atcctccttg gttatgatat aggagtgatg agtggagcaa tgatttatat gaagagagat 240

ttgaagatta atgatttaca aatcgggatt ctcgctggaa gcctcaacat ctantcactt 300

ataggatctt gcgccgccgg aagaanctct gactgggatt gggccggcgt tacactatcg 360

tgttgggtgg gagncatatt ctcggggngc tatccttaag ggatggtccc taactaagct 420

ttctca 426

<210> 5231
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G1

<400> 5231

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gtcgtgtttt cttccttccg tttccttctc tggcaagtct gcttcgtacg tactctctct 120

tcattcccac ttcacacttt ctacttttta ccaaatccta tcctcaactc taattcccac 180

catttctgat ccacgatttc aaattgggtg gttggaagca gtgtttgtgc tgtaattgga 240

tctgatctga tcggattcga ttgaaatttg gatcccatgg agaagcacga ggaggaaaac 300

ggtctttgca aggcggaatc tgttgatggt agccttgatg tttgggagtt gtcanaattc 360

tgattcctcc tccgctgatc acttgtccgt taaggtccaa gggatcttgg gaagtacggt 420

gattggaan 429

<210> 5232
<211> 466
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G11

<400> 5232

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aagaaccgtc aaggacttaa tcgcagcagg tgctgctggt tgcttccttg aggaccaggc 120

atggccaaag aggtgtggac atatgcgtgg caaagaggtc atacctgcgg aggaacacgc 180

tgctaaaata gcatcagcaa gagacgctat tggagatgct gacttttttc taatcgctag 240

gactgatgct cgtgcacttt ccgcaaaaac aggactttca gacgccattg accgtgctaa 300

tctttatatg gaggcaggag ctgatgcttc ctttgttgag gcaccgaggg acgatgacga 360

gcttaaggaa atcggaaggc gcacaaaang ttacaagact gtgtaacatg cttgaangtg 420

gacgcacgcc aattgcataa cnnctgatga acttaaagaa atnggt 466

<210> 5233
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G12

<400> 5233

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cggtggggtt tcatggttgc tgaagataac tcgagaganc gagtgcaagc gaaacaaaga 120

gaatgcgata gtgatactgc atactatatg tttcagcgac aggacaaagt ggaaggagat 180

caaagaagag gagaatgctc atggaacgat aacaaagctt tcgcgtgaag gaacttcaag 240

ggcgcagagg aaagcaaacg ggatattgga cagactgaga aaagctatga atctcactca 300

tacagcctga gaaaagcctt gaaatctgca atgtaaatta cctaaaatct tgtttctttt 360

ttttacttta tttggctgta agaatttttg taaattattc atatcttang atctgaatgg 420

gtaatggttt cgtaaaaaaa a 441

<210> 5234
<211> 472
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G4

<400> 5234

cgtntcggta ccggtggtgn tcncgggtcc ccncacgcgt ccgatagaaa gcaaacataa 60

attctctgac aatcagaaaa caaaaaaaaa tcagaacaac tcttatcttc ttcacgagac 120

tgactaaaca atcatagatt tttccgtttt ttgggtttcg tctggtgtta ctctctcctt 180

ctgagttatg gtgaaataat ggcagcagct gaagcaagag cagtgtggca aagaacagtt 240

aatcgttgct ttgtccaaga agacgctaaa agagctccca agttaactta ttgccaatca 300

tcttcatcct caactgcttc ttcaactaag caagtggaag tttctggttc ttctcctcga 360

gtttctgttg aaccacggga ctcaatcatc ttgtgcaggn ttcaaggctc ttcctcgaaa 420

nccgaatttt cctgatttgt tacccacaac ancagactgt ggagtcatcc ca 472

<210> 5235
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G6

<400> 5235

ctccgggctc gaaccacgcg tnagacacga tccantgagc ancagcaact ccatctccgg 60

agctctagat tcagataaga acaatggcga ttccgatgcc tactcgccag ctattcatcg 120

acggcgantg gngagaaccc atcttgaaga agcgaatccc gatcgttaat ccagctactg 180

aagaggtcat tggtgatatt cctgcagcta caanggagga cgtggatgtt gctgtcaacg 240

ctgctcgaag agcattatca aggaataang ggaaagattg ggccaaaagc acctggagct 300

gttcgtgcta agtatttacg tgctattgct gctaangtan atgaaagata ganggatctg 360

gcaaagctct aggcgcttga ttgtggtaaa ncantggatg aagcantatg ggatatggat 420

gatgttgcng gatgttttga attttatgct ga 452

<210> 5236
<211> 428
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-G8

<400> 5236

agttctagat cgcgagcggc cgtccttttt ttttttttt ttcaaaggtc ttcaggctaa 60

actttctgaa caggaaggta ttaattcaaa gcttgcggaa gaactcaagg agaaggaact 120

tctggaatcc ttatcaaaag accaagaaga gaagctgaga actgcaaatg agaagttggc 180

tgaagttttg aaagaaaaag aagcgcttga agcaaatgta gcagaggtca caagtaatgt 240

agcaacagta acagaggtct gcaatgaact agaagagaaa ctgaaganct caagatgaaa 300

attttcccaa aacaagatgg ccctnctttc tcaagctttg tcaaacaact ctgagcttga 360

acagaaactg aaatcnctgg aggagcttca ttctgaanct ggntctgcag cancagctgc 420

tacccaaa 428

<210> 5237
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-D10

<400> 5237

tttccctcgc ncctcaccgg tcngancacn cgggccgccc acgcgtccaa agatattaga 60

acttgcaaaa aatggcttcc aaggctttga ttctgttang tctcttctca gttcttctcg 120

tcgtctccga agtgtctgcc gcaaggcaat cgggcatggt gaagccagag agtgaggaaa 180

ctgtgcaacc tgaaggttat ggcggtggcc acggaggaca tggtggtcac ggnggggggag 240

gaggccacgg acatggagga cacaacggag gangggggcca cggacttgac ggatacggag 300

gaggtggagg acactatgga ggaggtggag gacactacgg aggangtgga ggacactacg 360

gaggangtgg aggacactac ngaggangtg gaggacacta cggatgacgt ggtgncggac 420

acngangtng aggacactac ggangttgtt g 451

<210> 5238
<211> 483
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H8

<400> 5238

ccggtaagga aatcgcgggt cgacccacgc gtccgaatcc attaatcatc atcttttctt 60

cacagagagg aaaaaaaaaa aatggcgaca gattctcaac caaaccaaaa gctaacgctt 120

ccgttaaaaa caagaatcgc tctcaccgtt atctccacca tgaccgataa cgctcaacgt 180

cctgacggaa ctatcaaccg ccgtttcctc cgcctcttcg atttccgtgc tcctcccaat 240

cctaaacccg tcaacatcgt ctccacctcc gatttcgtcg tggatcaatc ccgtgatctc 300

tggttccgat tgtacactcc acatgtctcc ggcgataaaa tccccgtcgt tgttttcttc 360

cacggcggtg gtttcgcttt cctcagtcct aatgcgtatc cttacgataa tgtatgccgg 420

agattcgcta ggaaattanc tgcttangtc atctccgtta actaccgtct cgctccggga 480

gca 483

<210> 5239
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-A12

<400> 5239

ccttccgcac gncaccggtc cagnaaatcc cgggtcnacc acgcgtccga ntgattatct 60

tctcttcccc tgtaagtact ccgatctaat tatttgttcc tatcagacat cccccaattt 120

ctacgatcgg atttattcgt cgatcaagaa gctggctaag ttgtattgtt ggtgattgta 180

tagtttttat tattattcga gagaatgaac agtagaagct gtatctgtgt ctctgcgatg 240

aaaccctgtt gtagatttct tattagtttt agaagttcct cgcttttcgg tttttctccc 300

ccgaactctg gcaaattcat caattcgtcg aagttacact gtacaaagat tgattccaag 360

aagtattaaa tctggtatca ttgccgtcgg attggtccgg gatngggaag gcttttggtg 420

aatcccgatt ccaataagct gggggaagag gaggtttaaa agttttaana accta 475

<210> 5240

<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-A4

<400> 5240

gaaagaccat tcttcaacgc cgctaaaacc ttcgggngga accgtttcnc tgactcnacc 60

gcagttttcg ccgttgttcc cacatttctc acaccgttta tctccgcttt cgaaatggtt 120

cgttcctctt aatggacctc tcttcttatc ttctcctcct tggaaacttc tccagtctgc 180

gacacctttg cactggcgcg gaaacggctc tgttttgaaa aaagtcgaag ctctgaatct 240

tagattggat cgaattagaa gcagaactag gtttccgaga cagttagggt tacaagtctg 300

tggtaccaaa catattgacg gtggatngca acgattccaa aggaagaaag atgggtggga 360

aaatttagtc aagaagtttg gttaatgtgc cgaatatgat atcaatgggc aagattataa 420

ccnggtcctg tgctttggg 439

<210> 5241
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-A5

<400> 5241

gtaccggtct naaaaaaaan nngggncccc acccacgcgt caganctacc tctactgtga 60

agacgttgct gaggcttttg aagttgttct tcacaaggga gaagttggcc atgtttacaa 120

tattgggacg aanaaggaga ggagagtgaa tgatgttgcc aaagacatct gcaaactctt 180

caacatggac cctgaggcga acatcaagtt tgtcgacaac agacctttta acgatcagag 240

gtacttcctt gacgatcaga agctcaaaaa gttgggatgg tcagagagaa ccacgtggga 300

agaagggttg aagaaaacta tggattggta cacacagaac ccggagtggt ggggtgatgt 360

ttctggagca ttgcttcctc atccaaggat gctgatgatg cctggtgggc gacactttga 420

tggctccgag gacaattcgc tggcagctac tttatctgaa aaancaatca aacc 474

<210> 5242

<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-B12

<400> 5242

aatccggggc cgaccaagcc gtcgaaagaa tcaacaatag atccttcttc catggcagat 60

ctctctagtg aagtcttatt tgaccggtta ctgtttgtac nccatgggct gttaagcaat 120

caccagccaa aatggctaaa gccaaggcct tcctctaatg aatcatccag agactttacc 180

ttgtttgatc gcgatgcagc agagagctta cagaatgagc tttcgcggat gcagttacca 240

gacaccatta gatggcggat ccaagcagcg atgccaatcc tccttccttc tctacgctgt 300

tctctctcaa gccancctca ttccgttccg ccaaacgcac tcaacacttt tcaaccctcc 360

ggattcantg gccggctggc cggtaccaat caaaagnaan tcccctggca aaatcgaaaa 420

aatttggaat gggangnanc aaacaagggg aaatttaaac ccg 463

<210> 5243
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-B4

<400> 5243

aattctagcc gtccgtacgg tcnngnttcc cgggtcnccc acgcgtccga aantgctttc 60

accannccac tcgacgggag tctccaacgc cttcctcctc attctccact ctcacaccac 120

caacttctga ttccagatct caacgatgca aagctccgcc gnattctccn tctctccgtc 180

gcttcctctc ctaaaaccac gtcggctctc tctccgccac catcccataa ccaccgccgc 240

ttcttcaagc gatctaaacg tttctccaaa tgttgtctct attccttctt tatctcgtcg 300

atcttggcgt ctcgcttcgt ctgattcgcc tctccgtgct tggtccggtg ttccttctcc 360

gatctctcac tccttagaca cgaatcgttt cagaaccgcc gctactgcaa ttcctgaaag 420

tgctgaagga aggtgataac aagtgggaaa anttgacaaa ggtttnggaa cttg 474

<210> 5244

<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-B5

<400> 5244

attatgaacn naaattcaaa ttcaactatg atcgaattct aaacacaatt atgaagtaac 60

gacgatgaac tcnangcttt gtcatttggg gacttcgatg gatacgattc gctgcgattc 120

cgntatcttc ngatctccta cttcctcttg tacactggga agacaagatt cgggtatctg 180

taacagtaac ttgaatctgg taagatatgg acaaaatcaa tggattgcct gatgatttgc 240

tggtgaagat tttatcgtat gttccaacgg atattgctgt atccactanc attttgtcta 300

agcgatggga gtttctttgg atgtggttgc ctaatctcga ctacacttct cggtggtgta 360

gaaagcccgg tgacgttgga cttagggact ttatccacag gaatctgcca ttacatanag 420

ctcccg 426

<210> 5245
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C1

<400> 5245

ngtaccggtg gtatctcggg ccccccacgc gtccaaanag tttgtcagta ttggaactat 60

cttgatcttt ctggtaacat gttctctggc aagatcccgg tttcattgca gagtttgaag 120

ctaaaccagc tgaatctgtc ttannggggcg gttancgggt gacttaccgc cttctttagc 180

gaaagatatg tataagaata gcttcattgg gaacccggga ttgtgtgggg atatcaaggg 240

attgtgtggc tctgagaatg aagctaagaa gagaggctat gtatggcttc ttanatcgat 300

tttcgtactt gctgcgatgg tgcttcttgc gggtgttgct tggttctact caagttcagg 360

actttcaana aagcaaganc catgggagag atttaagttg actctaatgt cgtttccana 420

anctcnggnt caatttagca ttaaaantcc ttgaa 455

<210> 5246

<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C12

<400> 5246

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catactcagc catgaaagct cttggatacg gtgatgttaa cattgtcgtt ggcganactg 120

gctggccatc tgcttgtgac gcaccttggt gctcgcctgc gaatgctgct tggttcaacc 180

tcaacattat caaacgtgca caaggccaag ggacacctct catgcctaac agacggttcg 240

agacatacat tttcggtctc ttcaacgaag aaggcaaacc cggtccgacc gcagagcgta 300

actggggact tttccgagca gatttctccc cggtttacga tgttggtctt ctccgaaaac 360

ggacaaggcg gtggangccg cccaacaatt gcccgcacta atactgccgg cggttaatgg 420

tgt 423

<210> 5247
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C2

<400> 5247

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actggaacaa ggnnaatggt nnaagttcaa anggaacatt acaacatggt tngtaagaag 120

ggttcaaaca agttgtagac ttgcttcaag ggactcctta taatcagcag attgctaatt 180

gctgcaaggg tggtgttatg aactcatggg ttcaagaccc tgccactgcg gctagctcct 240

tccagattag tgttggtgct gctggaacca caaacaaaac cgttagggtc ccaagaaact 300

tcactctcat gggacctggt ccaagttaca cttgtggtcc aacaaaagat tgtcaagacc 360

aacaaaattt gtcacgactg acacacgcag aancactcaa agctatgatg acatgggaca 420

ttacntncac atactcncaa tttccttgcn caaanaactc caaanttgcc gggtttcc 478

<210> 5248

<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C3

<400> 5248

cncgggtccc ccacgcgtcc naaaacgcct ggggggtaag gtgatngata agataaatgt 60

gtatgcattc ggcgttgttc tcctcgagtt actttcggga agaaaaccga ttagcagcgg 120

atgtccaaag ggacaagaga gtctagtcat gtgggccaaa ccaattctag atgatggaaa 180

gtattctcag ttattagacc cgagtttgcg ggataacaac aacaataatg atgaccaaat 240

gcagaggatg gcgttagctg ctactctttg tattcgacgt agtcctcaag ctagaccgaa 300

aatgagcatc gtattaaagc tacttaaagg tgatgaagac acgcttgagt gggcaatgca 360

ncaagtgaat agttcatcag aggagtcaga gatgctcaaa gatgagcaat gccaaagatc 420

taacttgcaa tcacacctta acttaacact tc 452

<210> 5249
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C4

<400> 5249

attcccgggt ccnccccacg cgtccganaa agtgatgtga tnatttgagc ctgaccagac 60

actaacacaa gaagctgaaa atgaaaagcc aaaaatccct cagatttgat gctttgcttc 120

aaaccgcttg tttgaatttt caannctctc acacatgtat tagtaattta atcagcgagt 180

gaaataatag agtttcagaa gagtaaaatg catgtgaata gntctgatta tttatggtaa 240

tgtgagcatt agagttaaaa aaaaaaaaaa aagggcg 277

<210> 5250
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C7

<400> 5250

ggttttaggt caccgtacaa agtcaacgtt ttcagagcag tttaccgaag cgggtttgtg 60

gttttgacca ctgtgatatc catgcttatg ccgtttttca acgacgtcgt agggatttta 120

ggtgcgttag ggttttggcc tttgacggtt tactttccgg tggagatgta tataagacag 180

aggaaggttg agagatggag tatgaagtgg gtttgtctgc agatgttgag ctgtggttgt 240

ttgatgatca cgttggtcgc cggagttggc tccatcgccg gagtaatgct agaccttaag 300

gtttacaagc cgttcaagac tacttactaa acaaaccatg atgatgatga agaagaagaa 360

gtggtggaga naaaaacann agatataaat tttaatatat ttca 404

<210> 5251
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-003-Q1-E1-C9

<400> 5251

gccaccggtc catacaaccc gggtccgacc angccgtccg aagaagacaa aagcatttga 60

tcgaccgaca ttagtagcaa caanaacaag aaaccgggag ctagagcaac cgcatgaaaa 120

ccgggagtat tggtaaattg cacaagtttc ttgaatcaaa accgggtccg ggttcttgct 180

caagaacacc tctacttaac aagaaaaaac catctcatcg accgacaata acaacaataa 240

aaccggtccc ggtacgtgta tcaagagaag aaatcaccgg gaggaaaccg gaagctcggt 300

agattgctca agtttcttga atcaaaaccg gtctggttct tgctcaagaa cactgcaatc 360

gggttataat caaaaccaaa ccgaatctaa ccggtcttgt cctgattact tcaagtggat 420

tcacgaagga tttaaaacca tgggagagaa acanggatta caaaagaaat ggng 474

<210> 5252
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H7

<400> 5252

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atggggaaga caattcaagt gtttggattc cctaatggtg tgagcgcaga agaagttaag 120

aagtttcttg aaagactcac tggttcaggc actgtttacg caatcaaagt tagacaacca 180

aagaaaggtg gtccaagagt ctatgccatt gttcaattca catctgagag acatacgagg 240

ctgatcatca ctgcggcagc agaacgtctt tactatggaa gatcttatct caaggctttt 300

gaagttgaac aagacattgt tccaaaagcc aagagcttca ttacacacca tctctgggtt 360

taaaagatgt tctttggatg tcaagtctcg actaagaagt ttttaactct anggaagtgc 420

tcaagatgtt tgtgtcccgt tt 442

<210> 5253
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-F4

<400> 5253

tcccggtccg ganataacgg gtcgacccac gcgtccggaa aagacgacgg agaaatggcg 60

gaggagcaga aaatgaagca gctaagccga ttctggattt gggctttatc ttccattgct 120

ttccgattga tcttgatctc cttcccggga aatctcaatc tctcttcccg tccggaggtc 180

tctacccctc tcaccagcat tcgccgcctt gctgaaggtt attggttgaa gcaggcatcg 240

atgtcaccat atgcaggatc tatgtatcat ggctcaccat tgctgctctc ggttcttgga 300

cctctcacag ttcaaaggat taaagggcaa ccaagtcacc tcttgtgcaa gcttggtttt 360

tgttattgca gatatattaa gttcaatgct tcttcgagct attggtcagn aactccagat 420

ggcttatgga ctgaatgcca agatacttgg ttttcctang tcatca 466

<210> 5254
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-F5

<400> 5254

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ttcgaagccc aaagagacga agaagaggaa acaggaagaa ccatctacgc aaaagggtgc 120

aaggaaaagc aaaatagatg aggaaactaa gaggaatgac gaggagactg agaatgacaa 180

cacggaagaa gagaatggaa acgatgagga ggatgagaat ggaaacgatg aggaagatga 240

gaatgacgat gaaaatacag aagagaatgg gaatgatgag gagaacgacg atgaaaatac 300

ggaagagaat gggaatgatg aggagaacga gaaggaggat gaggaaaaca gcatggaaga 360

gaatgggaat gagaacgaag agaacgggaa tgangaccat agcatggaag aaaatgggaa 420

ccggggttgg tgaaagataa tga 443

<210> 5255
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-F6

<400> 5255

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cgccaaaagg aagtctttac gacgttctcc acggtgttag cccgaaagaa aatgtgctag 120

actggtctgc acggtacaat gtagcacttg gtgtcgctca tggactagcc tatctacact 180

atgactgcca tccccccgatt gttcaccgtg acatcaaacc agagaacata ctcatggact 240

cagatttgga gcctcacatt ggggatttcg gtttggctcg ccttcttgat gactcaacgg 300

tttcaactgc aactgttaca ggcaccaccg gctacattgc accagaaaac gctttcaaaa 360

ccgtgagggg gaagagaatc aagacgttta cagttatggg agtcgtgtta cttgagctgg 420

gttacaagga ananaacggg tggacaaatc cttcccgggg aaagttacaa ggtatnagta 480

agcctggggt ganatttgcc ttt 503

<210> 5256
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-G1

<400> 5256

gcccacgcgt ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nngataatgg gagcctatga aacagaaaaa ccaactaaag 180

atgcggcggc tctagagaca cagtcgccgg aagatttcga tcaaccatct ccgcttcgta 240

aaatcatctc cgtcgcttcc atcgccgccg gtgtacagtt cgggtgggcc ttacagctct 300

ctcttcttac tccgtacgtt caactcctcg gaatccctca caaatggtca tctctcattt 360

ggctctgtgg tccagtctcc ggcatgattg ttcaaccaat cgtcggtttc cacaagtgac 420

cgatgtaggt tcaaatttgg tccgccgtcg 450

<210> 5257
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-G11

<400> 5257

gctaagctcc acctccaaca acattgctcc cagtaactgg naatttggcc agacntactc 60

cggcaagaac ttccgcgtct gatttctata atatgaanaa gagtcgtgtg gcggaagata 120

ctaaagcttt tttttatatc aaatatatat atttacgtgt ctttgactta gtttacnatt 180

tggaattggg gttttaccan ttttccctta ttttctcagg gaaagtattg ggattgcttg 240

gtttgcaagt tagggtttac tttanagatt agggctatat tgtttttttt gttttnttttg 300

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angggttggg ataaagattc atgtaacccg cagctctcnt tt 402

<210> 5258
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-G4

<400> 5258

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naatggttnt cccctccgat nattagtctc tttaatcttt ctcagcctct tcttgttcgt 120

gatctctctt cctccggaaa aagatgtcgg ccggtaacgg aaatgctact aacggtgacg 180

gagggtttag tttccctaaa ggaccggtga tgccgaagat aacgaccgga gcagcaaaga 240

gaggtagcgg agtctgccac gacgatagtg gtccgacggt gaatgccaca accatcgatg 300

agcttcattc gttacagaag aaacgttctg ctcctaccac accgatcaac caaaacgccg 360

ccgctgcttt tgccgccgtc tccgaggagg agccgtcaga agattcangn ttcaatctat 420

cagtgcatcn gttagcatng ttaacgaaga gantcaggac caaanggtgg tganagggag 480

atccggcnga gaata 495

<210> 5259
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-G6

<400> 5259

gggctaactt gacaaagaat ctggagcaag tttctgagac tcttgcggct gcgaaaaggc 60

atttaacaca aaggattcag aatctggatg ataaggtaga aaagcagatc gatctctcga 120

aggaaatcaa tagccaggtt atttctgctc gtgagaatat cagctcactt gagatggatt 180

tggaatcatt gcataatttg attactggac tggatgggaa gttggacacg ctggaataca 240

agcaggatgt cacaaatgtt ttcatgctaa acttgtataa ctattttgga ggcaagagca 300

caaagctgcc tgaaatggaa cagcttcagc ttcctgtaaa ccaagagggc tcgtaatttg 360

cttgcagatg ttgaaactaa agggtctgaa aaacttggct gaanaactgt tttaaaagca 420

aatggcacac angtgacaac cacagtgaaa c 451

<210> 5260
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-002-Q1-E1-G7

<400> 5260

gactttctct ctgtgtgcaa tttcgaaatc gataaagact tcaactttcg gttctaacaa 60

tgacaatttc cgtatagttt gattttgtcc acctctttca ccgattacct gatttcatcg 120

ctggcgttag tcatcaaatg ggagctcgtt gctcaaagtt ctcattctgc ttgttccctt 180

ctcacttcaa atccgcttca gttctcgagt ctcctgatat cgagaatgga ggaaaagtgt 240

ggccgacttt taaggaattc aaattggagc agctgaaatc tgcgaccgga ggtttctctt 300

cagacaacat tgtatcaaga acacggcgag aaagctccaa acgttgtcta cagaggaagg 360

cttgatgatg gtcgtttgat tgctgtcaaa cgattcaatc gccttgcttg ggctgattat 420

ccacaatttc cggatgaaac 440

<210> 5261
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H12

<400> 5261

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tatgcaagat tttcgttaaa accctaacgg gaaagacgat tactcttgag gtgganagtt 120

ctgacaccat cgacaacgtc aangccaacg atccaagaca nagacggtat tcctccggac 180

cancaagagg ctgatcttcg ccggaaagca gttggtggat ggcanaactc ttgctgacna 240

caatatccat gaangagtcc ancttcatc ttgttctcag gctccgtggn ggtatgcaga 300

ttttcgtnaa gacgttgact gggaaaacta ncactttggg tggtggagag ttctgacanc 360

attgataacg tgaaagccac ggattnaana caangaaggg tattcctccg ggacaanaag 420

agattgatnc tccgccgggg aaacancttg aacattggca gaacntttgg gcgactacaa 480

aattcaa 487

<210> 5262
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-002-Q1-E1-H2

<400> 5262

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ctctctaggc ctcctaagga atttttttga gtgttgagta aataaaaatg gagataacaa 120

acgtgatgga atatgagaag atcgcaaagg agaaattacc anagatggtt tatgattact 180

atgcatctgg tgctgaagat caatggactc ttcaagagaa tcgaaacgct ttctctagga 240

ttctatttag gcctcggatt cttatcgatg taagcaagat tgatgtgagc acaacggttt 300

tagggtttaa tatttctatg ccaattatga ttgctcctac tgcaatgcag aaaatggctc 360

atcctgatgg cgagcttgca accgcgaaga gctacttctg ctgccnggaa caatcatgac 420

ttaacctcat gggcnacntt gtatgttgaa ggaanttgct tcaaccgggc caagggatcc 480

gtttt 485

<210> 5263
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H3

<400> 5263

gctcactttc tagttcttgt tccctttcga atcaagtgat catggctcaa gaagagatac 60

agaaacctac tgcctctgtt ccagtggtta aggaggaaac tcctgccccg gttaaggagg 120

ttgaggtgcc ggttactacg gagaaagctg tggctgcgcc tgctccggaa gctacggagg 180

agaaagttgt gtctgaggtg gcggtgcctg aaacagaggt gacggcggtg aaagaggagg 240

aggttgcgac gggaaaggag atcttgcaat cggagtcgtt taangaggaa ngctatttgg 300

cttctgaatt acaggaagct gagaanaatg ctttggctga gttaaaggag ttggttangg 360

angctttgaa caaacgtgaa ttcaccgcgc caacgccaac aacaagctcc gggtaaaagg 420

aaaannaaag ttganggaga aagaaaac 448

<210> 5264
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H4

<400> 5264

tcaaggagga nccggattgt nctcaaaant caatnccaat ttggctgaaa gacttcnaac 60

ggggttgaca aaaaaaaacg aaatcccggg aagatgtgga atcagaagca tgatttggag 120

tcggctcaag acgcctctct acccgatgat gtcggagagc ccggagctcc gatggtcttt 180

catccgcaag gtctattcca tcatctccat ccaagctgct cgttacaatc gccgtcgctg 240

ccaccgtcgt taaggttcat tctatttctg tattcttcac caccaccacc gccggnttcg 300

ctctctacat acttcttata ttgactccat tgatcgtnat gtgtcctttg tagtactatc 360

accaagaagc ancctgtgaa ctatctgtta ctcggggatt tcaacgtcgc tccntgcctt 420

tg 422

<210> 5265
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-002-Q1-E1-H6

<400> 5265

gaattttctg gggggnctac cggtaagaga tcccgggtcg acccacgcgt ccgtttttta 60

ttaaccagcc ctctctcttc ttccccaaat ctccattttc tctgcaaatc ccaaatccat 120

cacaaaccct aattttagtc tctcaaaatc tccaccgttt ctaccaccgt caatgtggcg 180

gccgtggcgt aaatcgtcgg ttaagattca cgacacatac tctccaacca ccgcttcctt 240

caaagacatn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnaaaa accgcttcta gagtcttcca ccgagtccgt gcagctaatt tgatcctcaa 360

atcgtggcca actcgtcaat ctaatcacct cctccgcgca gattccgaac ctatcaatcc 420

aagccggaat caaaatccag aatcagattc gaagannega aaagcaaaaa ncgaancaag 480

atgtacggan ttcaaatcca agg 503

<210> 5266
<211> 449

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-002-Q1-E1-F3

<400> 5266

gactactcat attgcttata ttttcctaca acactctctc aacaaaaaaa caaaaaaaaa 60

agacgttctt tctttgtttg tatttagaag aaaaatggct accaattaca acgagaagct 120

tcttcttaat tatgttcccg tttacgttat gcttccgttg ggagttgtga atgtggaaaa 180

tgtatttgcg gacccagaaa cgcttgaaac gcagcttaaa cgtctcaaag aagaagctgg 240

cgttgatggc gttatggtcg atgtttggtg gggaatcata gaatccaaag gtcccaaaca 300

atatgattgg acggcctaca aaacgctgtt ccagctgatc gcacgtttgg gactcaaaat 360

ccaagcaatc atgtcttttc accaatgtgg tggaaacgtt ggcgacatcg ttactaaccc 420

cgattccaca atgggttcgc gatgtcggt 449

<210> 5267
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E2-A8

<400> 5267

actgtctccc tggccctacc ngtccggana ttcccgggtc gacccacgcg tccgcatngg 60

ctctcgcttg gacataccgt agacagaatt tgttacggga aattgtcaag taccgtgcag 120

atatagtttg tctacaagag gtacagaatg atcattttga ggagtttttt cttcctgagc 180

tggataaaca cggataccaa ggtcttttta agaggaaaac aaatgaggtt ttcatcggta 240

atacaaacac aattgatggg tgcgctactt tcttcagaag agacaggttc tcacatgtaa 300

aaaaatatga ggttgagttc aacaaggctg cacagtcttt gactgaggct attatccctg 360

tttcccagaa gnaaaaatgc tttgaancgg ttggtcaagg ataatgttgc tttaatagtt 420

gtactggaag caaaattcgg tagccagctg ctgacaacct gggaagcgcc agctactttg 480

tgtggctaac aacncatgtt aaacgttcct catgaattga aaga 524

<210> 5268

<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-B3

<400> 5268

gganaaatnn aancnncatn agggacaanc cnanagagaa gagagagacc ggncnaanca 60

caaagccctt aaagatagga agatactttg tcatagcttt gctatttctc aaaaaaaaat 120

gagggacgac agagaaagag gagagggtga tttgtcatgg cctttgatcg gagagaaaag 180

tagtgtcaag gaagaagtga agaagcagct atggctttca ggcccactca tcgccgtgag 240

tcttcttcag ttttgtctac aagttatctc cgtcatgttc gttggccatc ttggctctct 300

tcctctctcc gccgcatcca tcgccacctc tttcgcctcc gtcaccggtt tcagcttcct 360

catgggaaca gcaagtgcgt taagatacgc tttgtggcca ancgtacgga gcaaagaata 420

cggnatgtta ggaataca 438

<210> 5269
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-B4

<400> 5269

ggaanaancc gncaacgcct ttatatatta cacacacatt ttatgtgtan ctctgtgttt 60

cagaatcaga cctaagccat tgttgaagcc tttcctcatt tctccattta gatcaagaaa 120

tatggcaaac cgtccacacg ttccgaagtt tggggactgg aacaaccaag accaaccatt 180

cacggtcgtc tttgacaacg caaggacgaa caaacgacaa gacttgtatg aatctataga 240

gaaaccagag accaaacctc aagagctagc tcctcctcct cctcagcctg ctcgtagaat 300

tcaaaaaccg gaagcaccaa aaccggttaa gcaagacacg ccgagagcac ctccaccaac 360

cgaaaaaaac agagtcaaag ctccaccggc agatcaactc tacggaggcg ggggcagtgg 420

aggcggaggc aaggagtg 438

<210> 5270

<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-B7

<400> 5270

ggaacatcat caccattacg taccaaagca tcaagtagac gagatgagat ccgaaccagc 60

gcggccctcg aagctagtcc atgcgcattc cattgcttcg gctcagcctg ctgatttcgc 120

gcttaaggag acaagcccgc atctcggtgg tggaagagtc gttggtgggc gtgttataca 180

caaagacaaa accgctacga gtacttatga tcttgtcgag agaatgtatt tcctttatgt 240

ccgcgttgtc aaagctcgtg agcttcctat aatggatata acaggaagtg ttgatccatt 300

cgtcgaggtg agagtgggga actacaaagg aatcacaaga cattttgaga agagacaaca 360

tccggaatgg aaccaagtgt ttgcattcgc gaaagagcga atgcaagcct cggtgttggg 420

aagtantggg ttaagg 436

<210> 5271
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-C4

<400> 5271

ncgnancctt ncgatttggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccggaagc gacggatctc gctactgcga 120

cagctggaga ttagccgccg agaccaataa cgtcggaact tgggatctga ttccgtcaat 180

ctgcgtggat tccgtcgccg agtatcttaa cggagaccag tttttatccg attacagtgt 240

catcgtcgat tatgctctcg cgtttgcgaa atcggttgaa atttccggcg acggcaagga 300

cgtgtggatc ttcgatatcg acgagacgct tctcacgaat attgactact acaagggtca 360

aggttacggg tctgaaccgt atgacgataa taaatttaat gantgggtgg gaacaaagga 420

acaactcca 429

<210> 5272

<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-C5

<400> 5272

gctccttcct cggctgtaac aagatagaga agaagatgaa tatggaagtg gatacagtaa 60

caaggaagcc tcgtatctta ctagctgcaa gtggaagtgt ggcttcaatt aagttcagta 120

atctctgcca ttgtttctca gaatgggctg aagtcaaagc cgtcgcttca aaatcatctc 180

tcaatttcgt tganaaacct tctctacctc agaatgtgac tctctataca gatgaagatg 240

aatggtctan ctggaacaag attggtgatc ccgttcttca tatcgaagct canacgctgg 300

gctgatgtta tgatcattgc tcctttgtct gctaacacat tanccaagat tgctggtggg 360

ttaagtgata atctantgac atgtatagta agagcatggg attatagcaa accgttgttt 420

gttgcaccgg cgat 434

<210> 5273
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-001-Q1-E1-C6

<400> 5273

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cagaaaccaa cggcaacgca ccgccaccgt cgtcgaatca aaagcctccg gctacgaacg 120

gcgttgatgg gtctcatcct cctcctcctc ctttaactcc tgatcaagct attatagagt 180

cggatccgtc gaagaagagg aaaatgggga tgcttcctct agaagtgggt actcgtgtga 240

tgtgtcggtg gagagacggg aaacaccatc cggtgaaagt aattgagcgc cggcggatac 300

ataacggcgg tcaaaatgat tacgaagtat tacgttcatt acactgagtt taataggagg 360

ctggatgaat ggactcagct ggaccaactg gaccttgatt caagtagaat gcgctgtaga 420

tgaaaaatgg aagac 435

<210> 5274
<211> 417

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-C7

<400> 5274

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catcaagaag tatctcctcg acgaattgtc tccgttgcct actactgcca ccaccaatcg 120

atggatgaac gatttcacgt catttgatca aaccggtttc gagttttctg aatttgaaac 180

caaaccggaa ataatcgatc tcgtcactcc caaaccggag atttttgatt tcgatgtgaa 240

atctgaaatt ccatctgaat cgaacgattc cttcacgttc caatcgaatc ctcctcgcgt 300

tactgttcaa tccaatcgaa aaccgccgtt gaagatcgca ccaccgaacc gaaccaagtg 360

gattcaattc gcaaccggaa atcctaaacc ggaacttccc gtaccggttg ttncagc 417

<210> 5275
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-C8

<400> 5275

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cagtgaatca ctcacttaaa tccaaaacag ttttttttttc tttctttctt tatttgcttg 120

ttgtggaatc aatagctgtc tccgggaaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnaataatta tccccgagcc aacatttatt gtcgattcgg 240

tttatttcgt ctccttcgtc ttccactctt actagtgcat gctctgaatc tgtatgtaat 300

gggagttcaa cagtctggat ccattatcct agccgggtcg ggtcaaggtc tttgagtaag 360

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tgctgggctc 430

<210> 5276
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-D5

<400> 5276

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga aaaaaaaagc tttgaaattc 120

tctctcgaca atggtgtcgg accaggatct agcgaaagga gtcgagactt tgcttcgaca 180

atccgaccct agctctctca catcgttaag cagtattgtt cagcagcttg aagctaagtt 240

agggttagac ctcacggaga agacgacttt catcagagat cagatcaata tcctcctccg 300

tgctcaccaa aacccttctg cctccgtcgc ctccgcttca tccgtacaac aatctcaact 360

cctcctccgg cgtcttctca ccaacaagca agaatttgca ttccggcgtc aatgttccct 420

ccgaanggcg aaaaggg 437

<210> 5277
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-D7

<400> 5277

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tgcctctgga acaaacagca ccattgccct cagtgtggga acaaggtact tttatatgtc 120

ttcttcatgc ctgctactcg tgtgcgtttt ttttttctct gtatggaaga ttgtttcatt 180

catatgattg atttgtttac aggttgctga ctttgagaaa tcagatccct gcctggtgat 240

ggatccgcca cagtggaagc aacctagttt cgcactccca gcatgataag atgcattctt 300

ttctcttgtg attaatattg cttgtgaagt tgagtcgttc tgttgcatgt actggaaaaa 360

aactaagatn cagaataacc ctatagaatg tgtgagaaat gaaatattta atcctctgta 420

tcgtttcact ga 432

<210> 5278
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-D8

<400> 5278

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tttccagtta aagatcagct tcccggagtc gaattttgtg tctcgagctc tccaaattgg 120

ccggaaggaa tagttcttgg gtttcaacat tacattgtaa tgcttggaac tactgtaatc 180

ataccttcca tactcgtccc tctaatgggt ggtggcgacg tggagaaagc ggaagtcata 240

aacacagtat tgttcgtgtc aggaataaac acgttgttgc agagtttgtt cggaagtcca 300

cttcctgtgg tcatgggaag ctccttaatg ccttaacctc aatccctggc tccttaacaa 360

tcaactttcc tccttatccg attcaactta ctaactccaa tcctcatcct caagattttg 420

aaagaagact aatgaanaag ctaattcaaa gggagc 456

<210> 5279
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-E1

<400> 5279

gnannaaanc naaaacnaaa atngaaacna atcnattncc ctnctcctnc tnctncngtt 60

nnnaggttcg gngcccggcn ccgtcanctc aattccggct cagaattcgg acaacctgaa 120

gctctcttta tgcatctccg acatcgggga ggcaccggtg gttctgtttt ctctcatctt 180

gttcaagctc cagaggatcc tattcttggg gtgacagttg catacaacaa agatcctagc 240

ccagttaagc tgaatttagg agttggtgct taccgaactg aggagggaaa acctttggtt 300

cttaatgttg tgaggaaagc tgagcagcag cttatcaatg acagaacaag aatcaaggag 360

tatcttccca ttgttggatt ggttgagttc aacaagttaa gcgctaagct catactaagc 420

gctgacagtc ctgctaatcg 440

<210> 5280
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-001-Q1-E1-E2

<400> 5280

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tcctgagcca tatggtcaat cgaattcttc aacattggaa tgtgttgctt cccttgatgc 120

acatgttggt aagattaatt gcgttctttg gtgtccctct ggaaattctg acaagttaat 180

cagcatggat gaacaaaatc ttgtcttctg gagtttagac tcttcaaaga aaagtgcgga 240

ggttttatct aaggagtcag ctggtatgcg tcattcttta tctggtggag catggaatcc 300

acatgatgtg aattctgttg cagcaacttc tgaatcatct atccagtttt gggacttacg 360

tactaagaaa gaagaataat tcaattgaac gtgcccatgt acgtaatgtt gactacaatc 420

ccaaagagaa gaaca 435

<210> 5281
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-F6

<400> 5281

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aatgggtggt 120

ttaatcgatc tgaacgtgat ggagacggag gaagacgaaa cgcaaacgca aacaccgtct 180

tcagcttctg ggtctgtctc tcctacttcg tcttcttcag cttctgtgtc tgtggtgtct 240

tcgaattctg ctggtggagg ggtttgtttg gagctgtggc atgcttgtgc tggacccctt 300

atctctctac caaaaagang aagccttgtg ttgtatttcc ctcaaggaca tttggaacaa 360

gcccccgatt tctccgccgc gatttanggg ctccctcctc aacgtgttct gtcgtaatct 420

cgatgttaag cttcac 436

<210> 5282
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E5

<400> 5282

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tcctctttca ncgtatggaa tccganagat ttcgctaaan atttgcttcc taaacacttc 120

aaacacaaca atttctctag tttcgttcgt cagctcaaca cttacggatt caaaaaagtt 180

gtaccggatc gatgggagtt ttcaaacgat ttctttaaga gaggagaaaa acgtcttctc 240

cgtgagatcc aacgtcggaa aataacancg acgcatcaaa cagtttgttg gcccttcgtc 300

cngaataatc gaanccatac caatgggtgt ttcaacgtca aantccgggg aaagataata 360

atgattaaca agggtatgtc ctccncctcg tnctcctggn aattgnnaac aaacgaaaga 420

ncaacnggaa aggngggtta acnattggtt tattggaaaa aaacaanaa 469

<210> 5283
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-H11

<400> 5283

accgggtcca nccacgcgtc cgggagaaga ggaagacgat caacggagac gatttgctct 60

gggctatgac tactctaggt tttgaggatt atgttgagcc attgaaagtt tacttgcaga 120

ggtttaggga gatcgaaggg gagaggactg gactagggag gccacagacn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

ngatgcagta tcaccaacat catcagtttc ttcaccagca gaaccatatg tatggagcca 300

caggtggcgg tagcgacagt ggaggtggan ctgcctccgg taggacaagg acttaacaaa 360

agattggtga aatggattcc ccccctgtat atagatacat aaatacatgt ttacacatgc 420

ctaattttaa caacccatat tan 443

<210> 5284
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-E4

<400> 5284

cacgcgtcca cgnaacgcgt gggcggacgc gtgggcggac gcgtgggctc ctgagaacca 60

gcaccaaagg agtgataaca ttggtccacc tccacctaat cgacaaagaa ggaataatgc 120

ttctggaact ctgccagata atcgccaaag agttgcatct aggacgcggc ctgtgaatca 180

ggggaaaagg gtagcgaagg agganaatgt tgtgttgaca gacccaaact tgcctcaact 240

tgttcaagag ttacaggaga agcttgtcaa gagttctatt gagtgtatga tttgttatga 300

caaggttggg aggtctgcca atatctggtc atgctccagc tgttattcca tcttccatat 360

caactgtatc aagaagtggg ctcgagcaac aacttcagtt gatttgctag ctgagaaaaa 420

ccaaggtgat aactggagat tc 442

<210> 5285
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-B1

<400> 5285

aagtttcccg ggaacgaccc acgcgtccga atgagaccat aaactcatcg agggaagcaa 60

atgagtcaaa tctctcggat tctgcagtta caagtatgga ttactttcta agttcgtcgg 120

cttattctcc tggtggcatg gtcatgccta tcaagtggaa tgcagcagca atggatattg 180

gctgctgcaa acttaatata tgatcagcag ataggggaca agacatgatt tggttcacca 240

agtcttttgt cttgtccctt atctttcagc caaacggaaa gagaacttgt gtcttgggaa 300

aaaagacatt gagtttcctt ggtttataag attggtcctt ttaccatccg tttggctgta 360

aacaggcaaa tcatcnttgg ctcatgcttc atcaagttct tatcctccgt ctggttttcc 420

tctacgcatc cttcaaaaag attctctgaa ctantgaata acatttc 467

<210> 5286
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A4

<400> 5286

ncccggtccg ggaaaaccgg gtccacccac gcgtcggcnc ccgngttttg ttttctttgt 60

ctccgatttt tttcgcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnt ctgtaaccga ttttaaagat ctcaattttt angggttgtt gatttttcaa 180

tttctgggtt aatttttttt anggttttca tttgggaatc atgtcggatg cgtattgtac 240

ggattgtaaa aaggagacgg agttggttgt cgatcactca gccggagata ccctttgctc 300

cgaagtgtgg tttggttttg gaatctcact ccattgatga gacctctgag tggcgtacct 360

tcgctaatga atcttccaac agcgatccca atcgtgtcgg tggtccaacc aacccgcttc 420

tcgctgataa gtgctttaac cactgttatc gctaagccaa tgggtcaacc tgggtgaatt 480

cctggcctcc tcctctcggg aaggtggcaa naat 514

<210> 5287
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-D8

<400> 5287

acncgtccna agagactctc gccgtctaat gggaagctgt tggtctgatg gctcttacgc 60

tggtggagga atggtcggtg ttggtggtgg ggctaattcc tccgccgcca ctcctaacga 120

cgccgttgac tactatctca agtctcgtgg ctacaatggc ctcttttctc agatcgagtt 180

atctttctct gcttccaatt tgcgagaccg ggacgtgatt tcaaagagtg atgcaatggt 240

ggttgtttat acaaaaggaa gagatggaac acttgctgaa ttgtttcgta gtgaanttgt 300

tttgaattct ttgaatccta aatggattaa ggaattttan tattggttat canttcgaga 360

ntgtgcaaac attgcctgtn tcgt 384

<210> 5288
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E2-F7

<400> 5288

acgcgtccga gacccacaat aatgccaagg agattcgtta cagaggcgtt aggaagcgtc 60

cttggggccg ttatgccgcc gagatccgag atccgggcaa gaaaacccgc gtctggcttg 120

gcactttcga tacggctgaa gaggcggcgc gtgcttacga tacggcggcg cgtgattttc 180

gtggtgctaa ggctaagacc aatttcccaa cttttctcga gctgagtgac cagaaggtcc 240

ctaccggttt cgcgcgtagc cctagccaga gcaacacgct cgactgtgct tctcctcccg 300

acttagttgt gccttcaacc aaggctggga aatgttcccc ccgcaactcg aagcttaatc 360

tcgggcggag gangcggcgg ctcgtgttaa caagattccc gatgtcgcgt cctgtctact 420

tttggacctg aatggggatc ggtaacgtta ggtcgtggtc aagcctcctc ctgtgacaat 480

cggcgt 486

<210> 5289
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-F2

<400> 5289

cggcccggtc caccaattaa cgggtccacn cacgcgtccg gntatcagta tttcagctct 60

gaccagggta gtaattcttt cgattgttcg gagtttggtt ggagcgatca agctccgata 120

actcccgaca tctcttctgc ggttatcaac annaacanct cagctctgtt ctttgaggaa 180

gccaatccag ctaagaagct caagtctatg gatttcgaga caccttacaa caacactgaa 240

tgggacgctt cactggattt cctcaacgaa gatgctgtaa cgactcagga caatggtgca 300

aaccctatgg acctatggga gtattgatga aattcattcc atgattggag gagtcctctg 360

aagaaattca atttcaatgt naataaagnt gcatgtttgt taatttcccg catcgttccg 420

tttatcaacc tccaaaactt tctaaagtcc gttactgcat cctcctctgc tgtctctgtc 480

cgtccctccc aaga 494

<210> 5290

<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-G5

<400> 5290

acttctncgc cgcccggtac aagtccanaa attcccgggt cgacccacgc gtccgcacca 60

ctctctctct aatctatcta tccgagaatg gccaagatgg gcttgaaacc cgacccggct 120

actactaacc agacccacaa taatgccaag gagattcgtt acagaggcgt taggaagcgt 180

ccttggggcc gttatgccgc cgagatccga gatccgggca agaaaacccg cgtctgcctt 240

ggcactttcg atacggctga agaggcggcg cgtgcttacg atacggcggc gcgtgatttt 300

cgtggtgcta aggctaagac caatttccca acttttctcg agctgagtga ccagaaggtc 360

ctaccggttt cgcgcgtagc cctagccaga gcagcacgct cgactggtgc ttctcctccg 420

acgttagttt gtgccttaag cgaacggctg ggaatgtttc ccccgcaact cgaacctaat 480

cccggcggaa ggaagcggcg gctccttttt acaa 514

<210> 5291
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-D4

<400> 5291

ccacggtcac aaatccgggg ncgaccacgc gtccnaaana aacagagaaa atgtgtggcg 60

gtgctattat ttccgattat gcccctctcg tcaccaangc caagggccgt aaactcacgg 120

ctgaggaact ctggtcagag ctcgatgctt ccgccgccga cgacttctgg ggtttctatt 180

ccacctccaa actccatccc accaaccaag ttaacgtgaa agaggaggca gtgaagaagg 240

agcaggcaac agagccgggg aaacggagga agaggaagaa tgtttataga gggatacgta 300

agcgtccatg gggaaaatgg gcggctgaga ttcgagatcc acgaaaaggt gttagagttt 360

ggcttggtac gttcaacacg gcggaggaag ctgccatggc ttatgatgtt gccgccaagc 420

agattcgtgg tgataaagcc aaactcaact tcccagattt gcacaatcct cctcctcc 478

<210> 5292
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-H1

<400> 5292

acggtcanaa atccgggtcg acccacgcgt ccgaggacgc gtggggacaa agaagaaaaa 60

ctaaaaaaga gaaccccaaa gaatcgaata tttattattt cgccccgaag attctatttc 120

tgatcattta cacccctaaa aagagtagag ctttcgtgaa gccaccatgt gtggaggagc 180

tataatctcc gatttcatac ctccgccgag gtccctccgc gtcactaacg agtttatctg 240

gccggatctg aaaaacaaag tgaaagcttc aaagaagaga tcgaataagc gatccgattt 300

cttcgatctt gacgatgatt tcgaagctga tttccaaggg tttaagggat gactcggctt 360

tttgactgcg aagaccaatg atgatgtcnt cgtcaatgtt aagcctttcg tcttcaccgc 420

aactactaag cccgttanct tccgctttcg tctccactgt aggttcanca tatgccaaga 480

a 481

<210> 5293
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B6

<400> 5293

tatccgagaa tggccannat gggcttgaaa cccgacccgg ctactantaa ccanacccac 60

aataatgcca aggagattcg ttacagaggc gttangaagc gtccttgggg ccgttatgcc 120

gccnanatcc ganatccggg caataaaacc cgcgtctggc ttggcacttt cgatacggct 180

gaagaggcgg cgcgtgctta cganacggcn gcgcntgatt ttcgtggtgc taaggctaag 240

accaatttcc caacttttct cgagctgagt gaccagaatg tccctaccgg tttcgcgcgt 300

ancccctagcc agagcagcac gctcgactgt gcttctcctc cgacgttaag ttgtccttca 360

gcgactgctg ggaatgttcc cccgcanctc gagcttatct ccggcggang aaggcct 417

<210> 5294
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D7

<400> 5294

acgcgtccgn agattcgaga tccacgaaaa ggtgttagag tttggcttgg tacgttcaac 60

acggcggagg aagctgccat ggcttatgat gttgcggcca agcagatccg tggtgataaa 120

gccaagctca acttcccaga tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng gcgaagaagg tctgcgttgt ctctcagagt 240

gagagcgagt taagtcagcc gagtttcccg gtggagtgta tangatttgg aaatggggac 300

gagtttcaga acctgagtta cggatttgag ccggattatg atctgaaaca gcagatatcg 360

ancttggaat cgttccttga gctggacggt aacacggcgg agcaaaccga gtcaancttg 420

atgantcccg tttttccccc gggggg 446

<210> 5295
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-D3

<400> 5295

agcctgccgt tcggtcgcna attcccgggt aaacccacgc gtccgcacaa ctctctcnct 60

aatctatcta tccgagaatg gccaagatgg gcttgaaacc cgacccggct actactaacc 120

agacccacaa taatgccaag gagattcgtt acagaggcgt taggaagcgt ccttggggcc 180

gttatgccgc cgagatccga gatccgggca agaaaacccg cgtctggctt ggcactttcg 240

atacggctga agaggcggcg cgtgcttacg atacggcggc gcgtgatttt cgtggtgcta 300

aggctaagac caatttccca acttttctcg agctgagtga ccagaaggtc cctaccggtt 360

tcgcgcgtag ccctagccaa gagcagcacg ctcgactgtg cttctcctcc gacgttagtt 420

gtgccttcag cgacggctgg ggaaatgttc ccccggcagc tccgagctta gtctccggcn 480

ga 482

<210> 5296
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C8

<400> 5296

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atttttttac cggcggttat ggagacggaa gcggcggtga cagcgacggt tacggcggcg 120

acgatgggga ttgggacgag gaagagagat ctgaaaccgt ataaaggaat acgaatgagg 180

aaatgggggga aatgggtggc ggagatacgg gaaccgaata agagatcaag gatctggtta 240

ggttcttatg cgacgcctga agcggcggcg agagcttacg acactgctgt tttttacctc 300

cgtggtcctt cagcgaggct taatttttccg gagcttttgg ctggacttac tgtttctaac 360

ggcggangaa gangtggtga tttatcggcg gcgtatatta ngagaaaagc ggcngangtt 420

ggtgctcang ttgatgccgc ntggaaccac 450

<210> 5297
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-D2

<400> 5297

tgtttacgcc tgnccgtacn gctccanaaa ttcccaaggt ccacccacgc gtccgggcag 60

ccacctcaag aagaagtgcc taaccacgtg gctacaagga agccgtacag agggatacgg 120

aggaggaagt ggggcaagtg ggtggctgag attcgtgagc ctaacaaacg ctcacggctt 180

tggcttggct cttacacaac cgatatcgcc gccgctagag cctacgacgt ggccgtcttc 240

tacctccgtg gcccctccgc acgtctcaac ttccctgatc ttctcttgca agaagaggac 300

catctctcag ccgccaccac cgctgacatg cccgcagctc ttataaggga aaaagcggcg 360

gaggtcggcg ccagagtcga cgctcttcta gcttctgccg ctccttcgat ggctcactcc 420

actccgccgg taataaaacc cgacttgaat caaatacccg aatccggaga tatatatcaa 480

attaatatac atgttagttt gttt 504

<210> 5298
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-A5

<400> 5298

cccgccgtag cccccaaaan tnaaangccc ccggccntcc gaaancgncn gattancnnn 60

tncanctgaa actcgagtta agaaccggaa acagaatcca attcaaccaa accgaatcga 120

accgaaccgg agtttttatc caatggtgaa gcaagcgatg aaggaagagg agaagaagag 180

aaacacggcg atgcagtcaa agtacaaagg agtgaggaag aggaaatggg gaaaatgggt 240

atcggagatc agacttccac acagcagaga acgaatttgg ttaggctctt acgacactcc 300

cgagaaggcg gcgcgtgctt tcgacgccgc tcaattttgt ctccgcggcg ggcgatgcta 360

atttcaattt ccctaataat ccaccgtcga tctccgtana aaagtcgttg acgcctccgg 420

agattcagga aagctgctgc taaattcgct aacacattcc naggacattg tcaagggaag 480

aaagaaa 487

<210> 5299
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-F6

<400> 5299

atttcacaat tttcttgtga ttttctctca gtttcttatt tcgtttcata acatggatgc 60

catgagtagc gtagacgaga gctctacaac tacagattcc attccggcga gaaagtcatc 120

gtctccggcg agtttactat atagaatggg aagcggaaca agcgtggtac ttgattcaga 180

gaacggtgtc gaagtccgaa gtcgaagccg aatcaaggaa agcttccttc ttcaagattc 240

aaaggtgttg ttcctcaacc aaatggaaga tggggagctc agatttacga ggaaacatca 300

acgcgtgtgg cttggtactt tcaacgagga agacgaagca gctcgtgctt acgangtcgc 360

gggntcacgt ntccgtgggc cgcgatgccc gntaccaaag t 401

<210> 5300
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-068-Q1-E1-F12

<400> 5300

tctctaatct atctatccga gaatggncaa natgggcttg aaacccgacc cggctactac 60

taaccagacc cacantaatg ccaaggagat tcgttacaga ggcgttagga agcgtccttg 120

gggccgttat gccgccgaga tccgagatcc gggcaagaaa acccgcgtct ggcttggcac 180

tttcgatacg gctgaagagg cggcgcgtgc ttacgatacg gcggcgcgtg attttcgtgg 240

tgctaaggct aanaccantt tcccaacttt tctcgagctg agtgaccana aggtccctac 300

cggtttcgcg cgtagcccta gccagagcag cacgctcgac tgtgcttctc ctccgacgtt 360

agttgtgcct tcagcgacgg ctgggaatgt tcncccgcaa gctcgagctt 410

<210> 5301
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E1-F7

<400> 5301

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cttggggccg ttatgccgcc gagatccgag atccgggcaa gaaaacccgc gtctggcttg 120

gcactttcga tacggctgaa gaggcggcgc gtgcttacga tacggcggcg cgtgattttc 180

gtggtgctaa ggctaagacc aatttcccaa cttttctcga gctgagtgac cagaaggtcc 240

ctaccggttt cgcgcgtagc cctagccaga gcagcacgct cgactgtgct tctcctccga 300

cgttagttgt gccttcagcg acggctggga atgttccccc gcagctcgag cttagtctcn 360

gcggaggagg cggcggctcg tgttaatcag atcccgatgt cgcgttctgt ctacttttgg 420

acctgatggg gatcggtaac gtacgtcgtg gtcagcctcc tccct 465

<210> 5302
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-008-Q1-E1-F1

<400> 5302

aactactaaa gccccgttan cttcngcttt cgtctccact gtaggttcag catatgccaa 60

gaaaactgta gagtccgctg agcaagctga gaaatcttct aaagaggaag aggaagaatc 120

aataccgagg gattangcag cgtcnttggg gaaaatgggc tgcggagatc cgtgatccga 180

agaaaaggct cccganaatg gcttggaaca ttcgacactg ctgaggaagc agcaagagct 240

tatgatgctg cagcacgcag aatccgtggc acgaaagcta aggtgaattt tcccgangag 300

aagaacccta gcgtcgtatc ccagaaacgt cctagtgcta agactaataa tcttcagaaa 360

tcagtggcta aaccaaacaa aagcgtaact ttggttcaac agccaacaca tctgagtcan 420

caagtactgc aacaactc 438

<210> 5303
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-A3

<400> 5303

nnnggntcgn nccacgcgtc cgttctcatg tcttcttctc tcctcgacct ttgagggttt 60

ttttgttcgt tgtgatggcg agagaaaaga ttcacgatca ggaagatcga caacgcaacg 120

gcgagacaag tgacgttttc gaaacgaaga agagggcttt tcaagaaagc tgaagaactc 180

tccgttctct gcgacgccga tgtcgctctc atcatcttct cttccaccgg aaaactgttc 240

gagttctgta gctccagcat gaaggaagtc ctagagaggc ataacttgca gtcaaagaac 300

ttggagaagc ttgatcagcc atctcttgaa gttacagctg gttgagaaca gtgatcacgc 360

ccgaatgagt aaagaaattg cggacaagag ccaccgacta aggcaaatga gaggaganga 420

acttcaaggg acttgacaat tgaaga 446

<210> 5304
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-C1

<400> 5304

catttacgcc gcccgtaccg gtccaaaaat tcccgggncn acccacgcgt ccggttcaag 60

aaagtcaaag atggacgacc taggattgct gttagganat gattggattc ggaaacacaa 120

tgtcaaagtg aaacaatacc atatgaatta tcagagaagc tcatggcata agatgctggg 180

gttgctgaag gtggataata ctgcancagg catgaacggt ttggggaaga ccatgaagga 240

gaacctgaag cagttcaata ttcagtttga tgagatatgt aaagtgcatt cgacgtgggt 300

antgtttgac gagcagctga aagaacagct aaanatctca ctggccaaac ttttggtacc 360

ggcatacggg gagcttcatc ngcangttcc aaaaaacctt ggngacatan ggaaaaaacg 420

cagacaagtt acatccaagt atggannttg atgacatnta ngcncctnat taacgaagct 480

gttc 484

<210> 5305
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-G2

<400> 5305

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tggagagatg agttcggcgt cgtttaatat cgaatcgatt ttagcttctg tgagtggtaa 120

agatagtggg aagaagaata tgggtatggg tggtgataga cttgctgagc ttgctttgct 180

tgatcctaaa agagctaaaa ggattttagc gaatagacaa tctgcggcga ggtcgaaaga 240

gaggaagatt aggtatactg gtgagttaga gaggaaggtt cagacacttc agaatgaagc 300

tactacattg tctgctcaag tcactatgtt acagagagga acatcagagc tgaacactga 360

aaataaacac ctcaaaatgc ggcttcaagc tttagagcaa caagctgaac ttanggatgc 420

tttgaatgaa gcgctgcggg atgaactgaa ccgacttaag gtggtaactg gagaaatccc 480

caaggggaat ggaaatt 497

<210> 5306
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-027-Q1-E1-G7

<400> 5306

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aggcatattt ttttcatttc gactcagatg ggttttgatg atacatgcaa cacaggtctt 120

gttcttggat taggtccctc accaattcca aataattaca atagtaccat cagacaatcc 180

tccgtttaca agctcgagcc gtcgttgact ctatgcctct cgggcgatcc ctcggttacc 240

gtggtgaccg gagctgacca gctatgccgt cagacgtcat ctcacagcgg agtctcttct 300

ttctcaagcg ggagggtggt gaaaagagag agagacggtg gcgaagagtc gccggaggag 360

gaagagatga cggagagagt tataagtgat taccatgaag atgaagaagg tattagtgct 420

agaaaaaaac ttaggcttac gaaacaacaa tctgctcttc ctgaagaaaa cct 473

<210> 5307
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 5307

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agtgtaagga aagatttgaa attggggaat aagaagatga agaatgataa aggtcaagac 120

tttcacaatg ggtctagtga taacattaca gaagatgata aatctcaatc gcaggagttg 180

tctccttcag aacgtcanga gctacananc annaagagca agcttttaac aatggtggat 240

gaggtagata aaangtataa ccaataccat catcaaatgg aagctttanc atcgtctttc 300

gagatggtaa caggtcttgg agcagctaag ccttacacat ccgtagctct gaatagaatc 360

tctcgccatt tccgctgttt acgcnacgcg ataaaagaac agattcaagt gatnnagang 420

gaancttggg gagagagaga cttctgatga acaaggagan aaggtaccgc gtcctaa 477

<210> 5308
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-001-Q1-E1-G4

<400> 5308

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ttctgctcat atcagccatt gacacagttg ctttgggttt ccctcaaacg gcgccgattg 120

tctggatttt gaccactgat ggccttagat caatcttttg aagatgctgc tttacttgga 180

gaactctatg gagaaggtgc attttgtttc aagagcaaga aacctgaacc cattacagtc 240

tcggttcctt ctgatgatac tgatgattcg aattttgact gcaatatttg cttagactcg 300

gtgcaagaac ctgttgtgac tctctgtggt cacctctttt gctggccttg tattcacaaa 360

tggcttgatg tacagagctt ctcaacaagt gatgaatacc aaagacatag acagtgtcct 420

gtttgtaaat ctaaagtttc tc 442

<210> 5309
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 5309

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ttgaaaggat caaaacaagg tcttgattgt tctgtctgtt tgtctaaatt cgaaagtgtt 120

gagattctta gattgttgcc taagtgtaga cacgctttcc acatcggatg tatcgatcag 180

tggcttgagc aacacgcaac ttgtcctctt tgcagagata gagtctcaat ggaagaagat 240

tcctctgttc tcactaacgg aaacagtttc aggttcttga atcagtctga gattagagaa 300

gattcgagct tggagcttta catcgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnncttagtg ggtcgtcgag attcaacatc ggagagagtt tccggaagat tctgaa 416

<210> 5310
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-A9

<400> 5310

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ggtccatttg ggaaagtact tctttctctc gaacctacta aatataaaga taagacctca 120

catgtttttg attttctaaa atagggggaa aaagtacaag acttttcaag ctatgtcctt 180

gattaagtct agtgatatcc tcaataagaa atgttttgag aacaccattg ggatctaaat 240

ttgatctctg atgatttact ttaatgttcc aattanatat gtttttgaca gtatgcaaga 300

taccatagat cgttatcctg aggcatacta aggntcgagt cancaccaaa ccggtttccg 360

aaanaaaata tgcanggtta atccttaaga tctccnngcc naaaatanaa attctggcaa 420

attaaaactt ttacaaa 437

<210> 5311
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-D12

<400> 5311

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ttcttctttc ttctttaggt ggtcaaattt ccaagttctt cttttagctc tctcttttgt 120

ttccaagaaa cctgagaaga atttttgtag atatgggaag aggaagggtt cagctacggc 180

ggatcgagaa taagataagg agacangtga nattttcaaa gcgaaggacc ggtttggtaa 240

agaaagctca agagatctca gtgttatgtg atgctgaagt tgctttgatt gttttctccc 300

ccaaaggcaa actctttgag tactcngcng ggttccagca tggagagaat tcttgatcga 360

tatgagaggt ctgcctacnc nggtcaagat antcctacac ca 402

<210> 5312
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-030-Q1-E1-C10

<400> 5312

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ttttttttt ttttttttt ttttttttt tttttgaca tgttaacccc ttcgcaattt 120

ccctttgatc ggatgatcct aaattacaag aagtgcacaa aaatcactag agaaaaagca 180

aaattacaaa ttcacccgaa atcattattc ccgcccagac ttaacccttc cttaattgcc 240

ctttcaccct tcaattttaa ctttattccc attttgcccc cctcggtttt ttccacagag 300

aggaacagag catctaagca aagccaaaag 330

<210> 5313
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-074-Q1-E1-E7

<400> 5313

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agaatctcca ttgtctttaa tttctctcca tttctctttc tctcttcctt caaagttttc 120

tcttttcttg atgggtttaa gagagtaaag atcatcaagt actatgcatt aaattgagaa 180

gttattaaaa atttcgaaag taattaaaga ttgttgatga tgaagagatt aagtagttca 240

gattcagtgg gtggtctcat ctctttatgt cctacaactt ccacagatga gcagagtccg 300

aggagatacg gtgggagaga gtttcagtcg atgcttgaag gatacgagga agaagaagaa 360

gctatagtag aagaaagagg acacgtgggc ttgtcggaga agaagagaag gttaa 415

<210> 5314
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-057-Q1-E1-D3

<400> 5314

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agtagagatc atcaagtact atgcattaaa ttgagaagtt attaaaaatt tcgaaagtaa 180

ttaaagattg ttgatgatga agagattaag tagttcagat tcagtgggtg gtctcatctc 240

tttatgtcct acaacttcca cagatgagca gagtccgagg agatacggtg ggagagagtt 300

tcagtcgatg cttgaaggat acgaggaaga agaagaagct atagtagaag aaagaggaca 360

cgtgggcttg tccggagaag aagaga 386

<210> 5315
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-H5

<400> 5315

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tcgttttgtt catgttgttg ttcaagtgaa gaagctcaat tatgtttaca acattgttgt 120

aatttcaaaa cttcataaga atttctctga taataaagaa aaagctggag tagaactatt 180

ttaaagtgtc atcatgaaga gactaagcag ctcagattca atgtgtggtc taatctccac 240

ttctacagat gaacagagtc caagagggta cggaagtaat taccaatcta tgcttgaagg 300

ttacgatgaa gatgctacac taatcgagga atattccggc aaccaccacc acatgggtct 360

atcggagaag aagagaagat taaaagtgac caagtcaaag ctcttgagaa gaat 414

<210> 5316
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-B6

<400> 5316

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gtctttaatt tctctccatt tctctttctc tcttccttca aagttttctc ttttcttgat 120

gggtttaaga gagtaaagat catcaagtac tatgcattaa attgagaagt tattaaaaat 180

ttcgaaagta attaaagatt gttgatgatg aagagattaa gtagttcaga ttcagtgggt 240

ggtctcatct ctttatgtcc tacaacttcc acagatgagc agagtccgag gagatacggt 300

gggagagagt ttcagtcgat gcttgaagga tacgaggaag aagaagaagc tatagtagaa 360

gaaagaggac acgtgggctt gtcggagaag aaggaaagtt aagcataaac aagttaaagc 420

tttggagaag aatttgagtt agagaataa 449

<210> 5317
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-061-Q1-E1-D11

<400> 5317

actctccctc tctatctctc tcttaccaat ttccatttct cgggggaaaa taataatacg 60

acttttgaaa tctctcacta atatttccca agaaaacctg atgaattaaa agttcatatt 120

ttcttggtgt tgattggtat tagatgacta tttcttagta ttagtcaatt ctctgtttcc 180

atcttatatg gatagtctag acacagagca aagatccttc tttggagaaa aagaagatga 240

gagacgagag aggatcgttt cttcacgtat tggtcgtaga tagatcttaa tcgataacca 300

tctaggcctt gatctaacca ttcaatataa actttatttc cttcttcttt tcgatctcaa 360

ttgttccgac caaacaagat gaagaga 387

<210> 5318
<211> 234
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-054-Q1-E1-D8

<400> 5318

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ggtgggattg ttggttgatg aagaaaaaaa aatagtttgt aattacaggt ttaaatatgt 120

agagaaaaaa tgacgaatat gtattatctt gtttttttt ccttcgaata tgtattacgg 180

taatataaat ttgcttgtaa aaataataaa tatattattt gataaatttt gtac 234

<210> 5319
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-E6

<400> 5319

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gggaggaggt gatcatggac atggagcaga aggaggcgat ttcagagcca aagtctggag 120

tatgactggt gggcctaact gtaggcccaa acattggcgt cggaacaccg ccattgctat 180

gttcggcgtt ttccttgtgt gcatccccat cgccaagcta tctgctaagc ttgagcaaag 240

gccacacatg ccagtacgcc caattccttc acagatctgg tgcaagaact ttggaaccaa 300

ggacgattac gaaaaagagc attaaaagtt tttttcttgg tttggagaga acccttaat 360

tggtcttctt atttgcagac aatgtgagca taaaaaaagc gcttctagct ttgtcaatgg 420

atttcagagt actgtgaaca tactaatatg tcttttt 457

<210> 5320
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-040-Q1-E1-E7

<400> 5320

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atctctccgg aacggtgact tcccggagaa agattgtctt cttcctctaa tttcaaagct 120

tctcggttat tgcctcgttg ctgcttcaat caccgtcaag ctccctcaga taatgaaaat 180

cgttcaacat aagagtgtac gaggcttaag tgttgtggca tttgagcttg aagttgttgg 240

ttacacaatt tcacttgcct attggttgca taaaaggctt ccctttccg ctttcgggca 300

aatggctttt cctttgattc aagctttaat cctggtggct tgtaactatt aatattcaca 360

accaatacct gtcacaactt ggattaaacc acttccatat tgcgctgtgg cgccaactgt 420

gcttgctgga caaattaatc cgacgctttt cgaagctc 458

<210> 5321
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-069-Q1-E1-F11

<400> 5321

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ttgatctcca cattatatct tgatcatcac cacaagaaaa acatttcaac ttcttttatc 120

agcaatcaca aatcaaagag atgggaagag ctccatgctg tgagaagatg gggttgaaga 180

gaggaccatg gacacctgaa gaagatcaaa tcttggtctc ttttatcctc aaccatggac 240

atagtaactg gcgagccctc cctaagcaag ctggtctttt gagatgtgga aaaagctgta 300

gacttaggtg gatgaactat ttaaagcctg atattaaacg tggcaatttc accaaagaag 360

aggaagatgc tatcatcagc ttacaccaga tac 393

<210> 5322
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-013-Q1-E1-F1

<400> 5322

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cttcggagag gtgatttatc accaaaaaaa agattttaaa agtctaaatc ctttttttctt 180

tctttccttc aacatgcctt taccttggaa gaaatctaaa tctagtcgga tctctagatt 240

cgtatcagac tttcaacaat ctcctaaaca tggtggatct ctcgttgttg aaactggttt 300

cccaacttct ttaatcgatc tctttgttaa gaatcgcgat cgtctcaaaa aacaatcttc 360

aaaacgtaac aacaagaaca acaaagccca gactgaaacg cgtgttttgt 410

<210> 5323
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-065-Q1-E1-G1

<400> 5323

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cgatgggaaa tccatgctcc taacgactac aaataacaat atctacgttc ttgatgcata 120

tcgtggagag aagaaatgtg gttttagttt ggagccttca cagggtacac ccatagaggc 180

caccttcaca ccagatggca agtatgttct gtcaggttca ggtgatggaa ccttacatgc 240

gtggaacatc gagaacccat ctgaggtggc gaggtgggag 280

<210> 5324
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-043-Q1-E1-F1

<400> 5324

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aaatcaacga tccaacggcc acaatctctt caccattctc ttccgtcaac cttaacagcg 120

ttaacgacta cccacactct ccgtcaccgt atctcgactc cttcgcttct ctcttccgtt 180

acctcccgtc aaacgagtta acaaacgatt cagactcatc aagtggcgac gagtcatcac 240

cactcaccga ctcattctcc tccgacgagt ttcgcatcta cgagttcaaa atccggcgat 300

gcgctcgagg tcgatctcat gattggacgg agtgtccgtt cgcacatccc ggagaaaaag 360

ctcgacgacg tgatccgaga aagtttcatt actccggcac cgcttgtcct gagtttcgt 419

<210> 5325
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-035-Q1-E112-G6

<400> 5325

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aacgatccaa cggccacaat ctcttcacca ttctcttccg tcaaccttaa cagcgttaac 120

gactacccac actctccgtc accgtatctc gactccttcg cttctctctt ccgttacctc 180

ccgtcaaacg agttaacaaa cgattcagac tcatcaagtg gcgacgagtc atcaccactc 240

accgactcat tctcctccga cgagtttcgc atctacgagt tcaaaatccg gcgatgcgct 300

cgaggtcgat ctcatgattg gacggagtgt ccgttcgcac atcccggaga aaaagctcga 360

cgacgtgatc cgagaaagtt tcattactc 389

<210> 5326
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-051-Q1-E1-E12

<400> 5326

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tgttctgtga atatgattga agtcatcaat gtcttgcttg atgcttctgc tttggttaac 180

tctgttgatg ctaatgggaa tcaacctttg gatgtgtttg ttcgagtttc gaggtttgtg 240

gctagtccga ggaggaaagc ggttgagttg ttgctgagag gaggaggtgt tggaggattg 300

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ttaccggata taaacgaagg ggtttatgg 389

<210> 5327
<211> 343
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-057-Q1-E1-E6

<400> 5327

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gttgactctc tttcaatcta gctctgaatc tctcactctc ctacccgaga accatgaact 120

ccaacgacca ggatccgatt ccgttcagac ccgaagacaa caacttctcc ggttccaaaa 180

cctacgccat gagcggcaga atcatgctaa gtgcaatagt aatcctcttc ttcgtcgtca 240

ttttaatggt cttcctccat ctttacgctc gttggtatct cctccgtgct cgtagacgtc 300

atcgccgtcg tcgtagccgt aaccgtcgcg ctacgatggt ttt 343

<210> 5328
<211> 351
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-039-Q1-E1-D4

<400> 5328

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cttcaagcaa cttctcagat tcagctctta tggatcattt gttacaacac cacgatgttt 120

ttgggaatta taacacagca agagaagcaa tgggactatc atattcatca aacccaacac 180

cgttagataa cgaccagaac aaaccttctc ctgcaacggc tgtgacaatg ccacaggctc 240

cggagctagc tctcaggtgt ccacgttgcg actcaacaaa gacaaagttt tgttactaca 300

acaactacag tctcactcaa cctcgctact tccgcaaatc atgcggagat a 351

<210> 5329
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-060-Q1-E1-A4

<400> 5329

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agatccgatt gtcactctct gtggccatct cttttgctgg ccttgcttat accgttggct 120

tcaccaccat tcacattctc aagaatgtcc ggtttgtaaa gccgtggttc aagacgataa 180

gcttgttcct ctttacggta gaggcaagaa ccagactgac ccgagatcaa aacgttatcc 240

gggtttacgg attcctaacc gaccaacagg tcaaagacct gatactgctg ctcctcctcc 300

tcagcctgaa gctgcgagta atttttcaa ctaccgtatt ggcttgatgg gtggaattac 360

tccgaatgat ggcgaactac c 381

<210> 5330
<211> 281
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-045-Q1-E1-C6

<400> 5330

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ggtgaatgga gaatcatcaa ctagtacgtc ttactctgat agtaacaatg acacaaatga 180

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tctctgtggc catctctttt gctggccttg cttataccgt c 281

<210> 5331
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-037-Q1-E1-H10

<400> 5331

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tgcttatctc atgcctcctg ttgagtctgg ctctgttgat ttcgccgagt ttgagcctaa 180

tcttgtctat tagtagctgc aatgtcaagt cttgagttta cggctggttc ttgatttctt 240

gtaattgaat gatcgaaact gagaaacatc gtctttttt tt 282

<210> 5332
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-014-Q1-E1-A6

<400> 5332

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caatggcggc tgaaatggcg ttagtgaaac ccatctccaa gttctcttcc ccaaagctct 120

caaacccgag caaattcctc tccggccgac gtttctccac cgtgatcaga atgtcagcct 180

cttcctcacc gcctcctcca accaccgcca cctcgaagtc caagaaggga acgaagaaag 240

agattcaaga gtcgcttctt actccgaggt tctacacgac ggacttcgag gaaatggaac 300

agcttttcaa cacggagatc aacaagaacc ttaacgaagc agagttcgag gctctgcttc 360

aagagttcaa aaccgagtac aatcagacaa cattcgtgag gaacaaggag 410

<210> 5333
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-035-Q1-E112-F8

<400> 5333

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ccccaaagct ctcaaacccg agcaaattcc tctccggccg acgtttctcc accgtgatca 120

gaatgtcagc ctcttcctca ccgcctcctc caaccaccgc cacctcgaag tccaagaagg 180

gaacgaagaa agagattcaa gagtcgcttc ttactccgag gttctacacg acggacttcg 240

aggaaatgga acagcttttc aacacggaga tcaacaagaa ccttaacgaa gcagagttcg 300

aggctctgct tcaagagttc aagaccgatt acaaccagac acatttcgtg aggaacaagg 360

agtttaaaga agctgcagac 380

<210> 5334
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A9

<400> 5334

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tctgtttctt ctccaataac caaaaaaaaa aaaaaaactc ttcctctgtt tgttttcaag 120

ttctgacatc ataaattcag accgagaaaa cataaaaatt tgagtctttt gatgatcgga 180

aactgatgac tcccgttctc tgcgaaatcc tgctctctgg gctcacggtc aaatctgctc 240

tctgccgtag aacccatctc gttcaatctt tctccgtcgt cttcctctac tggttttaca 300

acgtttcatg aattgctaca aactctaatt aatttttca gacagatcat anaaaaaaac 360

aaacataaaa cataaaactc tgtccttttt ttgtcctctt gtaacttttc ttgttaaaaa 420

tcaat 425

<210> 5335

<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-017-Q1-E1-E6

<400> 5335

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gcatgaacct acttacacag atttgctctc cggctttggg actaacatag atccatccca 120

tggtcagcgg atacctttt atgaccattc accagcacct tctatgcctg cagagagaat 180

cttgagtgat tcacagtgca agttcgatta ccttgttaac caatggcaga tgatacactc 240

aggtctctcg ctgaagttac aggaaccccc taaggtacct gcatgaactg atgcttccct 300

ccaaaggcga tgcaatgtta aatacaccta ctatcctgtt cgtaatggtc tagcgactg 359

<210> 5336
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-043-Q1-E1-H6

<400> 5336

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agctttcatg agctcttccg atatctcaac tttatggcct ccggcgtcga cgacaaccac 180

gacggtgacg actgaaacaa ctccgacgcc ggcgatggag attccggcac atgcgggatt 240

taatcaagag actcttcatc aacgtttaca agctttgatt gaaggaacac acgaaggttg 300

gacctacgct atattctggc aaccgtcgta tgatttctcc ggcgcctccg tgctcggatg 360

ggga 364

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<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-045-Q1-E1-B9

<400> 5337

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aatcgtcgtc atagaagcag cagagattca ccttctttct ttatctttcc ctctcagaaa 120

caggaaacaa aattcaaaaa gaacaaaaaa aaaaggtcaa accaaaacga tggcgtttca 180

tcacaatcat ctctcacaag acctctcctt caatcatttc accgaccaac accaacctcc 240

acctccgcaa ccgcctcctc ctcctccgca acagcaacaa catt 284

<210> 5338
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-066-Q1-E1-D4

<400> 5338

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aagctttgtg atcagatctc cgacgctatc ctcgatgctt gccttgaaca agaccctgag 180

agcaaagttg cttgtgagac ttgtagcaag actaacatgg tcatggtttt tggagaaatc 240

accaccaagg ctaacgttga ttacgagcag attgttcgta aaacatgccg tgagattgga 300

ttcgtctctg ctgacgttgg tctaaatgct gacaattgca aggttctggt taacattgag 360

caacagagtc ctgacattgc aca 383

<210> 5339
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-028-Q1-E1-H8

<400> 5339

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gatcggaaaa atggaatctt ttttgttcac atctgaatcc gtcaacgagg gacatcccga 120

caagctttgt gatcagatct ccgacgctat cctcgatgct tgccttgaac aagaccctga 180

gagcaaagtt gcttgtgaga cttgtaccat gactaacatg gtcatggttt ttggagaaat 240

caccaccaag gctaacgttg attacgagca gattgttcgt aaaacatgcc gtgagattgg 300

attcgtctct gctgacgttg gtctagatgc tgacaattgc aaggttctgg ttaacattga 360

gcaacagagt cctgacattg ca 382

<210> 5340
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-065-Q1-E1-G2

<400> 5340

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agctttgtga tcagatctcc gacgctatcc tcgatgcttg ccttgaacaa gaccctgaga 180

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ccaccaaggc taacgttgat tacgagcaga ttgttcgtaa 280

<210> 5341
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-004-Q1-E1-F5

<400> 5341

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agatcggaaa aatggaatct tttttgttca catctgaatc cgtcaacgag ggacatcccg 120

acaagctttg tgatcagatc tccgacgcta tcctcgatgc ttgccttgaa caagaccctg 180

agagcaaagt tgcttgtgag acttgtacca agactaacat ggtcatggtt tttggagaaa 240

tcaccaccaa ggctaacgtt gattacgagc agattgttcg taaaacatgc cgtgagattg 300

gattcgtctc tgctgacgtt ggtctagatg ctgacaattg caacgttctg gttaacattg 360

agcaacagag tcctgacatt gcacaaggtg ttcatggtca tctcagcaag aagccagacg 420

aggttggagc t 431

<210> 5342
<211> 456

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-068-Q1-E1-H9

<400> 5342

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cttgcagtca aagaacttgg agaagcttga tcagccatct cttgagttac agctggttga 120

gaacagtgat cacgcccgaa tgagtaaaga aattgcggac aagagccacc gactaaggca 180

aatgagagga gaggaacttc aaggacttga cattgaagag cttcagcagc tagagaaggc 240

ccttgaaact ggtttgacgc gtgtgattga aacaaagagt gacaagatta tgagtgagat 300

cagcgaactt cagaaaaagg gaatgcaatt gatggatgag aacaagcggt tgaggcagca 360

aggaacgcaa ctaacggaag agaacgagcg acttggcatg caaatatgta acaatgtgca 420

tgcacacggt ggtgctgaat cggagaacgc tgctgt 456

<210> 5343
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-072-Q1-E1-G1

<400> 5343

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ataatttgtt tcaatcactg agaaaatgga ggccgtatga ctagattcta ggcgtcatga 120

cacagcgatg gaggaaacct gtaacgtgaa aggagcggcg gagaaacaat gggaaaggct 180

taagcagtac tatctccagc acatccatga gctccagcgc cagcttcgac ataagactaa 240

taacctcaat cgccttgaag ctcaaaggaa tgaactcaat tctcgagtga gaatgctcag 300

acaagactta cagctccttc aagaacctga gtcctatgtg ggagaagtgg taaaagttat 360

gggaaagaac aaggtcatgg ttaaggttca tccagagggg aagtatgttg ttgatattga 420

caaaagtata gacattacga caatcactcc atcaacgaga 460

<210> 5344
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-C3

<400> 5344

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taatttgttt caatcactga gaaaatggcg gccgtaggag tagattcgag gcgtcctgag 120

acagcgatgg aggaaacctg taacgtgaaa ggagcggcgg cgaaacaagg ggaagggctt 180

aagcagtact atctccagca catccatgag ctccagcgcc agcttcgaca gaagactaat 240

aacctcaatc gccttgaagc tcaaaggaat gaactcaatt ctcgagtgag aatgctcaga 300

gaagagttac agctccttca agaacctggg tcctatgtgg gagaagtggt aaaagttatg 360

ggaaagaaca aggtcttggt taaggttcat ccagagggga agtatgttgt tgatattgac 420

aaaagtatag acattacgaa aatcactcca tcaacg 456

<210> 5345
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-036-Q1-E1-C12

<400> 5345

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gcttgttgtt aaatacggtc caagaaactg gacagtgatt agcaaatcta ttcccggtag 180

atcggggaaa tcgtgtcgtt tacggtggtg caaccagctt tcgccgcaag ttgagcatcg 240

gccgttttcg gctgacgaag acgagacgat cgcacgtgct cacgctcagt tcggtaataa 300

atgggcgacg attgctcgtc ttctcaacgg tcgtacggac aacgccgtga agaatcactg 360

gaactcgacg ctcaagagga aatg 384

<210> 5346
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-066-Q1-E1-D2

<400> 5346

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ggaaacctga tggtggagat aagaaagaga agaagtttga gccggcggca ccaccggctc 120

gtgtagggag gaagcaaagg aagcagaaag ggccagaggc ggcggcgaga cttccgacgg 180

tgactccgtc tactaagtgt aagctccggt tactgaaatt ggaacggatc aaggattatt 240

tgttgatgga ggaagagttt gtggcgaatc aagagaggtt gaaacctcag gaagagaaag 300

ctgaggaaga tagatctaag gttgatgatc ttcgtggtac acctatgagt gttgggaatt 360

tggaagagtt gattgattga gaatcacgct aatggttcct cctc 404

<210> 5347
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-F11

<400> 5347

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attgaatcgg caaggagatc ggaaacctga tggtggagat aagaaagaga agaagtttga 120

gccggcggca ccaccggctc gtgtagggag gaagcaaagg aagcagaaag ggccagaggc 180

ggcggcgaga cttccgacgg tgactccgtc tactaagtgt aagctccggt tactgaaatt 240

ggaacggatc aaggattatt tgttgatgga ggaagagttt gtggcgaatc aagagaggtt 300

gaaacctcag gaagagaaag ctgaggaaga tagatctaag gttgatgatc ttcgtggtac 360

acctatgagt gttgggaatt tgggagagtt gattgatgag aatcacg 407

<210> 5348
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-013-Q1-E1-E9

<400> 5348

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aaacaaaaac cccatcaaaa taatctccgg accagtttct ctttcgattc agtcggaccg 120

gaaaaacaat ggcgtctgtg aacccttttcg atctcttgga cgatgacgca gaggatccca 180

gccagattgt tgcgtctaag ccattgaagg ttgtggctcc ggttcagact gctaagtctg 240

gtaagatgcc gactaagccg cctcctcctt ctcaagctgt gagggaggca aggaacgctc 300

ctggtggagg tcgtggtgct ggacgtggag ggagttatgg tcgtggtgga cgtggtggaa 360

acaataggga ttcaaggaac aatgatggtc ctgccaatga aaacggatat ggtggaggct 420

acagacgctc 430

<210> 5349
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-039-Q1-E1-F7

<400> 5349

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tcctatatct tgagttttgt gagaggttaa ttatatgaaa ttttacgcat tattgttcat 180

ctatatcgaa aaacaatgtc aagaaagcca tgttgcgtcg gagaaggctt gaagaaagga 240

gcatggacca ccgaggagga caagaaactc atctcttaca tccacgacca cggctaggga 300

tgctggcgcg acattcccca gaaagctggg ttgaaacggt gtggaaagag ttgtagaacg 360

caatggacca actaccttaa acctgagatc agaagaagcg attttagttc agaggaagag 420

c 421

<210> 5350
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-035-Q1-E1-H11

<400> 5350

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tcctcaaatt ttcgaaaatt ttctcttttg ctttacgttc tctcaattct tatttgtaag 120

aaagtttgtt cctttaatca atcaaatcaa agagactttt gaagattgtt tcccaatttg 180

cgtcaatcgg gatcgagtca aatctgaaat cttctccact catcatctga ctataagact 240

taatcaaggg acttttgtt cgggtttggt tttaaacgtc ttggattcga agtggttaag 300

gtatggatga aaataatgga ggttcaagct cacttccacc tttccttact aaaacatatg 360

aaatggttga tgattcttct tctgactcgg tcgttgcttg gagcgaaaac aacaaaa 417

<210> 5351
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-022-Q2-E1-E4

<400> 5351

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tcatattcag atgtatcaga gttctcatta acagatctgt ttctttttcc ttatctgatt 180

aaacaatttc cttcagaatt ttacttttttt gaacatatat agtttttctc tgttcctata 240

tcttgagttt tgtgagaggt taattatatg aaattttacg cattattgtt catctatatc 300

gaaaaacaat gtcaagaaag ccatgttgcg tcagagaagg cttgaagaaa ggagcatgga 360

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gcgacattcc ccaaaaagct 440

<210> 5352
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-048-Q1-E1-H10

<400> 5352

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tcaagatgaa tagggagaag ttgatgaaga tggctaatac cgtccgcact ggcggaaagg 120

gtactgtcag aagaaagaag aaggctgtgc acaagaccaa tacaactgat gacaagaggc 180

ttcaaagcac tcttaagaga attggagtta actccattcc cgctattgaa gaagttaaca 240

tctttaagga tgatgttgtt attcagttca tcaaccctaa ggttcaagct tcaattgctg 300

caaacacatg ggttgttagc ggttctcctc agaccaaaaa attgcaagat atccttcctc 360

agatcatcag ccaacttgga ccaaacaac 389

<210> 5353
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-058-Q1-E1-H5

<400> 5353

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aaaaatggaa tctttttttgt tcacatctga atccgtcaac gagggacatc ccgacaagct 120

ttgtgatcag atctccgacg ctatcctcga tgcttgcctt gaacaagacc ctgagagcaa 180

agttgcttgt gagacttgta ccaagactaa catggtcatg gtttttggag aaatcaccac 240

caaggctaac gttgattacg agcagattgt tcgtaaaaca tgccgtgaga ttggattcgt 300

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gagtcctgac attgcacaaa ggggtcaggg tcatctca 398

<210> 5354
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G11

<400> 5354

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tgaatacaaa ttcatcagag actaaggtaa agagcaagtt ttgttatggt gaaaaggaaa 120

aggaaaggtt cagtagaata ctaagttgtt atgttggatc atataatttc cataacttca 180

ctacaagaac aaaagcagat gatccgactg cgaatcgtca aatcatctcc ttcactgcta 240

atactgtgat taatcttgat gggattgact ttatcaagtg tgaagtctta ggcaaaagct 300

ttatgcttca tcagattcgg aagatgatgg gtcttgctgt tgcaatcatg cggaattgtg 360

cttctgaatc acttatccaa aagtgcttca gcaaggatgt tgaatataac tggtaccaat 420

ggcgccagaa gttgggcctt aacctgggac gaatgcct 458

<210> 5355
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G2

<400> 5355

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nnnnnnnnnn nnnnnnnnnn nnnctcaacg gtgatgggat cttggcttcc ccagtattgc 180

ttcctcttca tcttctactg tcactcccac aataccaatc acttttcctg atatcgttag 240

ctgcattttc tccgaaactc actctcttct cctactcagg atttgaactt cttacgtttt 300

gaacccggct gctcagagta acttgcccgg gttttccttt aatcaccaaa attgggttcg 360

agataccatc tcatcanctc aagcattggg caatttgtgt ccgggccggc tngagcaacc 420

aaagnaaggg ntcccacttt gagtgccatt tnccatgccn tacactgggg ggtggtatca 480

aa 482

<210> 5356
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G3

<400> 5356

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cattcaacaa aatttcttca gcttctctcc ttcaaaaggt ttttattctc cttggtttga 120

acaagttaca ctgtagagag tgatttggct aaaagaagat tgattcagga gctgtgtagt 180

gtattgctgg ggtttttcca atgcaaacgt ctcagaaaca tcacagtgcg gctggactgc 240

acatgctgta tcctcaagtc tactgttcac ctcagtttca agcgaaagac aacaaaggct 300

tctctgatat cccgtccaaa gaaaactttt ttaccctcga atcctccact gcttctggta 360

atcctccttc cgtaatgact ctccttccng tgaagcaatt acatctgggc cgggancccc 420

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gacaaacgtt ctaatng 497

<210> 5357
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G4

<400> 5357

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actgatgatc ttgtcaagct cttctcttct cgtattcgta gaaggttctc tagaggtttg 240

acaaggaagc caatggctct gattaagaag ctgaggaaag cgaaaaggga ggcaccacaa 300

ggtgagaagc cagaaccagt gagaacccac ttgaggaaca tgatcatcgt cctgaaatga 360

ttggaagcac aattggagtg tacaacggaa agacttcaac caaggttgag attaaacccg 420

aaaataattg gncacaactg gctgaattcc caacccaata caaaccggtc aaacacg 477

<210> 5358
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G6

<400> 5358

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tgcttcaatg gccgaatttc cagaaccggg cactgtaaac cctgactcgg atctatcgaa 120

tggtcgagct gagaagcctg agatagacac ttcggctccg ttcgagtcag tgagagaagc 180

agccactcgt ttcggcggtt ttggtttctg gagaccttct ctcaataaac tcccagatgc 240

ttctcaggaa aatatccaag aacctgatat catgggactc aaagcacaag ctttcgagct 300

acaaagagaa ctaattgtta aagaacgcga aacgctagan gtgttgaagg agcttgaggc 360

gactaaagcc acagtcttaa agctgcanca gaaggaatga aancttatga ggaggncaac 420

gttgagagaa agaagttgac aatcatatca aagncaaccg gtgttggtcc aaaaggatta 480

<210> 5359
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G7

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ttcgcagttt tctttctcag aggcggctca tggcgacact gtgctttctc ccatcggctt 120

gatttcattg tgattttcta aattgaggat atgattttct gagccatggg aagggagaga 180

agaaagctta gcttgagctt gaattatgat tcatctgaga aatgcaggca aatgttgatg 240

cacatctcct gttgttcaag taaacttttt ctgattcgcc actacagtat cttgtccgtt 300

caatttctgt ctgattgatg gccttttttc gttcanaatc attgtttggt gttgatgaga 360

acacgggagc tgcaaatcat aggtatcaaa tgccaaagac gagtacntgg cgtgaacatg 420

gtggacttga ctttgtattc agcttgctgg agaaaatttc atcgancatt gggtgtgaaa 480

agacagtttc cttcanaata atcagactct cggttc 516

<210> 5360
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 5360

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aagatacagg gtttgttggg agtgccttgt cgagtaatat gataagattt ttcaagaaca 120

gtgatgaaac atggagccat gaggttgtta tatcggttaa accgttgaaa gtcgaaaact 180

ggatacttcc agaaatgccg gggctaatca ccgacttctt gatctccctc gatgaccgat 240

ttatttactt tgtgaactgg ctccatggag acattcgtca gtacaacata gaggacccta 300

aaaaccctgt attaacaggg caaatttggg ttggaggatt actacaaaag ggcagtcctg 360

ttaaggcggt tggagaagac ggnaacactt tcaaattcga ggttcccaaa ttaangggga 420

aatcttacga aggtggncct caaatgatca actgaacccn atg 463

<210> 5361
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G9

<400> 5361

taactggtnc gcctggccct acaaagtccg gaaattcccn cggtcgaccc acgcgnccgc 60

cancattgaa gaaccagctc attatctcaa ctgttattat gactgttggt attgctattg 120

tgtcatgggt tggcttaccg acctccttta ccatcttcaa ctttggaaca caaaaagttg 180

tcaagaactg gcagctattc ctttgtgttt gtgttggtct ttgggctgga ctcattattg 240

gtttcgtcac tgagtactac actagtaacg cctacagccc tgtgcaagat gttgcagatt 300

catgcagaac tggtgcagct accaatgtta tcttcggcct tgctcttggt tacaaatccg 360

tcattattcc aatctttgct attgctatca gtatattcgt tagcttcagc tttgctgcta 420

tgtatggtgt tgctgttgct gctcctggta tgctcagtac caatgccact gggttgggaa 480

ttgatgctat ggcccatca 499

<210> 5362
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-H2

<400> 5362

gggcccccgg anaatcccga agtcgaccca cgcgtccggc ttcttccaaa aacctcaaac 60

gctcctcaca caacggagtg atggggtctc tcgttcgtga atgggttggg tttcagcaat 120

ttccagcagc tacccaggaa aagctgattg aattcttcgg aaaattgaag caaaaggata 180

tgaactcaat gacagttctt gttctgggta aaggcggtgt cggaaaatca tccactgtca 240

attctcttat cggcgaacaa gtcgtccgtg tcagtccttt ccaagctgaa ggattgagac 300

cagtgatggt ttcaagaaca atgggagggt tcactatcaa cattattgac acccctggga 360

cttgtggaag ctggatatgt caatcancaa gctctcgaag ttaatcaaaa ggggttcctt 420

ggtgaacaag aaacaaatag aatgtccttg ccccnaangt ttgattcgtt ttgggatgtg 480

gtataaaaag tccgatgaac ctaanattaa gccaagnttt gttaataanc aaatcacc 538

<210> 5363
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-H3

<400> 5363

acngctccgg agatcccgag gtcgacccac gcgtccgccc acgcgtccgt ctctctcgcc 60

gggaaaaaag aacaacgtcg tttatagcta aagattcgat catgttggat cttaacctaa 120

agatcttttc ttcttataac gaagatcaag atcggaaagt accattaatg atctcaacca 180

ccggtgaaga agaatctaac tcatcttcct cctccacaac agactctgca gcgagagatg 240

ctttcatcgc ttttggaatt ctcaaacgcg acgatgacct tgtnnnnnnn nnnnnnnnnn 300

nnnnnnnnaa agaaacagga gatctctttc cggtggtggc tgatgctcgt cggaatatag 360

aattctccgt ggaagacagt cactggttga atctttcttc tttacaaaga aatacacaag 420

aaaatggtga agaagagcag aagaggacca aggtctcgta gctccaatat cgtggcgtca 480

ctttttaccg tcgcaccggt cgttggg 507

<210> 5364
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-H6

<400> 5364

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn atttgaagtt tgaagtgaag aaacaatttc attttgcggc 180

gacgaattcg aattttccga tcgatcatgc cgtccggtgc nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncatggaa 300

gccaagatgg gaggggaagt gatagcagtt tgagttctcc tggttctcaa ggaaatcaag 360

aatttgggac taaaagattc acctgctcct ccaacctccg ctgtggtgaa aagggcctcc 420

taaagagata tcctaaagat gcaagngnta ctcaagggac taaganccaa aactg 475

<210> 5365
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-H7

<400> 5365

atggtccctg gcgtacaatc cggaattcnc gggtcgaccc acgcgtccgg ccaaagttcc 60

gacttttgc ttctcccaga ggctaatcat ggacgctgtg gcggcgaatt tgtttcaatc 120

tccttcctta ctgcgtcaaa cttccgaaag gttgatattt tcgacgccca actgtcctgg 180

cttcatgcga attagctccg gacctcaatt tcgtctcaga caaaactctt ctcttaaatt 240

ctcgagacca tttcaaagcg gaacaacttg tgttaaatct cggagaagct ttgtggttaa 300

agcttcagct tctggtgatg cttcaacaga atcaatcgcg ccgcttcagt tgaagtctcc 360

tgtgggacag tttctgtcac agatattagt gagccatcct catcttgttc cagcagctgt 420

tgaacagcag cttgaacagc tccaaattga tcgagacgct gaagaacaag agtaaagatg 480

catcctctgt ccttggnaca gacattgttc tcta 514

<210> 5366
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-G1

<400> 5366

acgcgtccgt atagtgaaaa acttcttgct caagacactt cagcttcaag gttgggagaa 60

acgggttgac cggttcaagc ttggggaagg cgttatgcca gcgagtttca aggtgcttca 120

tgatccagtt cgtaaaaccg acacaattat tgcggatttt ggagaaagcg ctataggaag 180

agtagcaccg gtggattcag gattctggtg gatcatactt ctccgtgctt acacgaaatc 240

tacgggagat ttgactttat ctgagacacc agagtgtcag aggggaatga ggcttatact 300

ctctctttgc ttatccgaag gttttgatac tttccctacg cttctttgtg ctgacggttg 360

ttctatggtt gatangagaa tgggtgttta tggatatcca atagagattc aagctctgtt 420

tttcatggca attgagatgc gccntgtcga tg 452

<210> 5367
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D3

<400> 5367

acgcgtccgc cgggagatgc agcgacgttt tcagcagatc tgatttcccc gagggattcc 60

tcttcggagc tggcacttct gcttatcagt gggaaggagc tgctgcggaa gatggaagga 120

aacctagcgt gtgggacact ctttgttact ctcgtaacat tggtaacgga gatgtaacat 180

gtgatgggta tcacaagtat aaggaagatg tgaagctgat ggtagacact aacttagatg 240

ccttcagatt ctctatatct tggtctaggc taatacctaa tggaagaggc tctgttaacc 300

aaaagggtct acagttctac aagaacctca tcagcgaatt aataacccca tgggattgaa 360

ccacatgtta cactgtatca ctacgatnat cctcaagtat cttgaaggat gaatattgga 420

gggatgggtc aacaatatga tgatnaaaag acttcactgc ntaaggtana tgtttgttca 480

a 481

<210> 5368
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D5

<400> 5368

cncgggtcga cccacgcgtc cggtcaatga agaaacgact ccatatttac gaataaaaaa 60

ctgtagtaga tctgtactct ccctttttct ttgtagagaa gaagagaact gtgaaagaag 120

atgaagattg aggaggatct aggtttcatc aacatactca aacgagcaac aaagcttcta 180

tgtggtaaca tcaatcttgt tctcttcctc ttcctttgct ctctcccccc cttttgtttc 240

ttgatcttct tcgagctttc actccaaacc actgtctcac tcgcttctca atacctcgtt 300

cgacaactca ctaattggga ttactactac gttcctcaag atgcttccgt cttggagaat 360

ctgattccat tgcttatcca agacatttct actctacttg ttcccgtacg gcctcataga 420

cctcttcaac aacaacacaa taagtcctcc gcatcctgga ctggtcaaca cgttcn 476

<210> 5369
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D6

<400> 5369

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caatcgccgc ttgttcagtg catcaccaac ttcgtctcga tggatctcgt tgccaacacg 120

cttttatccg ccggtgcatc tccagcgatg gtccattccg tcgttgagat tcctgatttc 180

actcctcata ttcacgcgct ctgcgtcaac gtcggaacac ttacacctga ctggcttccg 240

tcaatgaaag ctgccgctga actcgcttct cagctccgaa agccttgggt tcttgatccc 300

gccgccgtga gttgctccgg attccgatta aaagcgtgtt tggagctcat cgagctaaaa 360

cctactgtaa tcaaaggaaa cggttctgan attaatgctc tctcctctgc ttcacgttgg 420

acaaaactaa aggtgctgat aagctcacat gaatcaacan gacgctataa gaagctgcaa 480

agtc 484

<210> 5370
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-026-Q1-E1-D7

<400> 5370

acgcgtccga atggaactcc ccagaagcag gttgtggtcg ttgttacctc aggttggtct 60

gtgctctgct ttgatcacaa cctgaaaaag ctgtgggaaa cgaatctgca ggaggatttc 120

ccacataatg cacaccatag agagatagca atttcgataa gcaattacac attgaagcat 180

ggtgatacgg gtttggttat tgttggtgga cggatggaga tgcagccata taatcacatg 240

gacccatttg aggaacttgg catgacagca caaaatgctg atcaacacag aagaagtgct 300

actgagaatc aggcctctga agattctgga gccataaact tgcgtcactt ttctgtctat 360

gcatttgctg gcaagactgg ccttcttcga tggagtaaaa agactgatga tgttgaagct 420

cacacctcag atgcatcaca attaattcca caacacaaat tacaaagctt gat 473

<210> 5371
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D8

<400> 5371

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ttttacgacc cgaactcagg acaagtttta ctagatgggc aagacctgaa gacgctgaaa 120

ctgagatggt taaggcaaca gatagggcta gtgagtcaag aacctgcatt attcgccact 180

tctatcaagg agaatatact cttaggccgt cctgacgcag atcaagtcga gatagaggag 240

gctgctcgag tcgcaaatgc tcattccttt atcatcaaac tacctgatgg cttcgacaca 300

caggttgggg agagaggatt gcagctgtct ggtgggcaga agcaaagaat ancgatagca 360

agagcgatgt tgaanaaccg ggcgatactt cnattanatg anggcgacca agtgcattgg 420

nttcnggatc canaaaacnt tgtanaaaag ggtttggttt gtttcaagat tgggagggct 480

accccaacat tggcccaang ccttt 505

<210> 5372
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-026-Q1-E1-E1

<400> 5372

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ctctctcaaa ctcgcagagt aacagattcg ataatgggag gaggatttag agttttgcat 120

ttggtgaggc cattcttggc ttttcttcca gaagtgcaaa gtgctgacag gaagattcca 180

tttagagaga aagtgatcta cactgtcatc tccctcttca ttttccttgt ttgtagtcag 240

cttcctctct atgggatcca ttctaccacc ggtgctgatc cgttctattg gatgcgtgtc 300

attctcgcat cgaatcgtgg aacggtgatg gagcttggta ttactcctat tgtcacatct 360

gggattagtg atgcaactct tancaaggtc aaagattant gaggntgaca acaatgttcc 420

gtgaaggatt gtgcccccnt gaatggtgct caaaaagctt cntgggg 467

<210> 5373
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-E3

<400> 5373

ntaccgctcc ggacatcccg angtcgaccc acgcgtccgg gtggatttca tctttccccc 60

gcctccagtg ttctcaataa tggcgaaatc tctacacttc acaagactaa tgtcttcttc 120

agcaagaatg tcaatgactt ctcctctctt cttctcctca gtcaaaccat ggagaaacat 180

ccataaaccc tacttggctt ctctcttcct ctccacaaca tctactcgat acccacttca 240

atacgacatg atcatcaatc gtcccacaca atcatctctc tctcaaaacc gtcgtcgtcc 300

ccctaaagcc atcgaatccg gtgcacctga ctcagcagag ccggaattcg attcatgggt 360

cgacaatana ctgggctatg gagcgtgaac agggtcgacc cggttctggg agattcggga 420

aaatgggata aaagccaaag aaggaaatac tacagttnag gagaaaggan gaagactata 480

cggggtcctg aanttctgaa agaatgaaga aacaagt 517

<210> 5374
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-E8

<400> 5374

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aagaaatggt tatgattaga tggatggcat ggaggaaaga agatatatcg tcctcggtcg 120

attttcgctt ctccaaagac ccatttggtc ctctggtgct ttctcgagaa accgattcga 180

gattcatcat catcattcat cttaaaggat tcaaaaagga aggtattgaa attgatataa 240

acgaagaggg aaataggatt acaattagag gaagaaaacc agtggaagaa atggtatgat 300

tagatggatg gcatggagga aaagaagtgg aatttaatgt tttcaagaaa gtttttaagg 360

attcctgata ctgtcgattt agacaaagat taaagcnaag nttgatgacc aatgatccga 420

ctccttacga tttacaatgg ccgaaaagat taaaanggaa cccctgggat ttaagaattg 480

ngg 483

<210> 5375
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-E9

<400> 5375

acgcganccg cggacgcgtg ggcggacgcg tgggcgccga cgccgcagca caaaggagga 60

gaagaaggat caaaggcgcg acaacaatgg cgacaggtaa aacagtgaag gatgtctctc 120

cacacgagtt cgtcaaggct tacgctgccc atctcaagcg ttccggcaag attgagctgc 180

ctctgtggac agacatcgtc aagactggta aacttaagga gcttgctcca tatgaccctg 240

actggtacta catcagagct gcttccatgg ctaggaaggt ttacctgagg ggtggtcttg 300

ganttggtgc cttccgtang atctatggag gaagcaagag gaacgggaag ccgtcctcct 360

catttctgca aagaagcant ggtggtgttg ctcgtcacat tcctcaagca actccaagac 420

catgaancat ttgttgacct ccacaacaaa ggggtgggaa aggaaaa 467

<210> 5376
<211> 469

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-F1

<400> 5376

acgcgtccgc caatgcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

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aaagctattt tccggcttgg tttcttcagc accaccaatg gttcctccaa ttggtacttg 180

ggtatctctt acgcttctat gccaactccc acccacgttt gggtcgccaa tcgaatccga 240

cccgtttcgg atcctgactc ttccactctc gagctcacct ccaccggata cctaatcgtc 300

agtaacctcc gtgacggcgt cgtttggcag acggataaca aacaacccgg aaccgatttc 360

gggttctctg aaaccgggaa tcctgatttg attaacgacg acggttcccg ggtttgnaaa 420

actttgacaa tccgacngaa acgttggntt ccgggatnat gtcacgggc 469

<210> 5377
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-F3

<400> 5377

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aagaatgggg aggcttaagc aatgttggtc aagtctgcta gtattggcag tgttggtgat 120

cggaactgga gccgttccca tcacttatct ccaaagcgcc gtcgctaaag gagccgtgtg 180

tttggatggg agtgcaccag cttaccattt tgacaaaggg tttggttcgg gtgttaacaa 240

ttggatcgtc cacatggagg gaggaggatg gtgtaccgac gttgcttcat gtaatgaacg 300

taagggtaca atgaanggtt cttccaaatt catgaacaaa gactttggat tttccggtat 360

cttgggtggc aagcaaagca ctaacccaga ttctacaatt ggacagaatc caagtacata 420

ttgtgacggn tatccttacc ggnatgtana accgttaacc ggaaaca 467

<210> 5378
<211> 501

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-F4

<400> 5378

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gaaaacttaa aacgatggct ataaccgcca ctcaaaacga cggcgtttca ctaaacgcca 120

ataagatttc gtatgatctt gtggaaactg atgttgagat catcacctcc ggtcgtcgta 180

gtattccggc acactccggc atcctcgctt cggtctcacc ggtactgacg aacatcatcg 240

agaagccgag gaagattcac ggcggatcat cgaagaaagt tattaagatt ctcggtgttc 300

catgcgacgc cgtttcagtc ttcgtcagat tcctctattc tccgagtgtc acggagaatg 360

agaatggaaa aatacgggaa tccaatccta ctgggcttta acaaaacgtt gttataatgg 420

gggactcaag ttaaagcaaa cgggggcaac taaaanggcg tccggttaan aagaattaac 480

ccgccgaaaa acgttgtcga t 501

<210> 5379
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-F5

<400> 5379

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cgcatcttcc aagattccat ctctcaatcc tcgcgaaacc ttctttctct ctctcttctt 120

cgcatttcag tttcttaaac cctaagcctt cggtaacagt atctcgaacc cttttctcat 180

tcgcgtctaa atcgaatctc gccactgttg aacccatacc attatcggtc tcagattcaa 240

ccgatttgga tgatgcacct gtcgagattg cgctcgacaa gctttttatt ccgccggaga 300

ccgatatatc cggtgaagac tcggcgagtt taacgacgag gatacttaag ggttcgaata 360

ttgtgctgag caagtacgcg agggacgcac aggtggttca ngctgattat gtgaagagta 420

gtgtcaagac ggaggattgt ccggccgatg ggttgccgga gtttgcgcct 470

<210> 5380
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D2

<400> 5380

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ggatttgcat agtgattgta atcaccgttc gacagcaatt caatccgttg caaatcggta 120

ccaacccgtg gaacaattaa cggactttaa aaagttgctt gatgatgaat tcacaaagct 180

caaggctaca ccttcctcag tgccacaaaa tgatcatttg atgcgccagt tcagggaagc 240

agtttggaat gttcatcatg caggtgaacc aatgcctggt gacgatgatg aggacattgt 300

tatgaccagt actcagtgcc ctcttctaaa catgacatgt cccttgagcg ggaaacctgt 360

cactgaatta ncagattcaa ttcgcagtat ggattgcaag gcacgtctat gaaaaatcct 420

gtnatcctgc attacatang tcaacaatcc aaatgcgaaa ttgtcctggt ancaaggtgc 480

cgag 484

<210> 5381
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B2

<400> 5381

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ctttctgaag caatatcttc agaaaacaaa ataaagtttt tatttgattt tcttattacc 120

atattatata ctattaaata agaaattcaa agttttttt ttccattctt tctttcttcc 180

ggaggaggga gagtatgata tgggtctttc acgtgtgaca ttgatgagat gatgaattca 240

aattatatct cataccaaaa aaaaaacaca accaagagaa agaggcgtaa ccttctgatt 300

tctttctttt aagatatcaa taaaatcttt cacattttct aatttttaat tcttttcaag 360

attttgttgt cccttcaaca atccatcaga agtagcagtt tggtttccaa gttaagttcc 420

tacgacctga ntcagaaaac aagggactat ggnactcaag tgagccaaaa agaacactcc 480

<210> 5382
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B4

<400> 5382

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ttttctagtg tttcattttg 120

atccttcgtc cttcctcngg agatttctca aatctcntca antattttga tttgccgcca 180

tgtatcgacg cgccacttcc ggcgtgcgtt cggcctccgc aaggctttct tcttccctct 240

ccaggatcgc ctctancgan acagcttcng tttcggctcc atctgcgtcg tcgcttcgca 300

atcagacgaa ccgatctaag agtttctcct cggctctccg ctcctttnga agtttgctct 360

ggntccaagc ggtggagcca atgggntgga agctgggggа tngccctgct aaccnttcgg 420

gctcaaacta agggatttca ntcccggttt atgggnggaa antttggaac gggaaaatac 480

tca 483

<210> 5383
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B8

<400> 5383

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ggtcactgtg ccaggtgctc ttgcacgtga tttgattgag caggctgagg tggaagttga 120

taggcttgac cagctgaaag ctagccgaat gaaagaaatt gcgttcaaga agcaatctga 180

gcttgaagag atatatgctc gtgcccatgt agaagttaac ccggaatctg ctcgtgagag 240

aatcatgtcg ctgattgatt ctggaaacgt tgagcctact gaattattgg cagacatgga 300

tagccagata tcaaaggcta aggaagaagc atttagtaga aaagatatat tggaccgagt 360

cgagaaatgg atgtcagctt gtgaggaaga gagctggcta gaagactaca atcgggatca 420

gaacaagtac aacgcaagca agangtgcac acttgaatct caaagaagaa ctgagaaaac 480

tccggattct gggttagcaa gaatcctgcc atgggttga 519

<210> 5384
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B9

<400> 5384

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tacaagccac ctgtcacgtg tcgtgtcccc ttcgcaactt tcatggaaca ctctcgtttg 180

atcctcaagg acaagcctaa gagcgtcgag ttccaaatga gaatccttga acgttctggc 240

ctcggtgagg agacttgtct ccctccggct attcattata ttcctcccac accaaccatg 300

gacgcggcta gaaacgaagn tcagatgggt atcttcgaag gcatggacga tctttcaaga 360

aaaccggtcn taaacctaaa gacgtcgaca tccctancgt caactgntcc cctttctctc 420

ccaaaacatc gctctcaact atgggcatca aa 452

<210> 5385
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C10

<400> 5385

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attgccgggg ctgatagcac cttccggctc gttgaggtta ctgtaaatga aaagaaagct 120

ggctttgtgc cccagtctaa atcagtaaag gagaggtttc gtcctatgcc tatgtattcc 180

cctatcttac ttcctgtgcc acatgcgctg gcactgcgga tgattttaca gttaggagtg 240

aaaccatctt ggtttaatac gtctagcaca actttggana agatgcctca tttaatccgt 300

gggatggctt tcatcctcct aaggatctac ggagttacat gattcagtta cccgccttaa 360

ngggaaccct gttcgtgccc cgaaatgccg gttgaagata ctaagaaacc ttaacnggaa 420

agnaaggttg cntgcctgga cngatgaaaa gancaaaaac tttta 465

<210> 5386
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C11

<400> 5386

acgcgnccgg ganattccct tttttggtga tgaataaaat aggaatcgaa cacgtggacg 60

gcgcagatgc taaagtgacc aaatccactg gtgatccggg taaagtttcg ggtccggctc 120

agttcacaac aagtggtgac gtggcggagg tgatagagga gcttcgaacg gagaacaagc 180

agttaaagag agccgttgaa gatctccggg aagtaatatc aaacgtccgt ccatactcgc 240

cggcgacaat tgattacgga tcacactcga agtatcgcga atccgagagg nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ggagatcgag agctgatcgg tggagcagcg 360

aagaagaacg acaaacgtcc tgattacggt ggggaagaaa agcaanggaa gaagggcaat 420

gtacctgaag gaactgaaag aaaactttga aagggagctg cctgaa 466

<210> 5387
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C2

<400> 5387

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agctgtcgtg ttgagtacta attcgccgtc gtttttctca gcgaaggagt ggtgagagat 120

gtcgagtctc gaagatatca agaacgagac tgttgatctg gaaaaaattc cgattgagga 180

agttttccag cagctaaaat gttcaaggga aggattgaca acgcaggaag gggaggacag 240

gattcagatc tttggcccca acaagctcga agagaaaaag gaaagcaaac ttctgaagtt 300

tttggggtta atgtggaatc nactttcatg ggtcatggaa atggctgcan ncatggccat 360

tgctttggca aacggtaatg gaagngcccc cgggattgnc aggatttngt tgggaaaacc 420

ggcccggttg gttacaaanc tctaccanca tttttancga nnaaacaaag gccngggaag 480

cgcgg 485

<210> 5388
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C6

<400> 5388

acgcgtccgc caaaatcctc gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nataatggcg tcgatccctc cgccggagct tgacaacgac tcactggcgt catcgccgag 120

atcggagtac gatagtcagc cacgcgtacg gttcatgtgt acttttggag gaaggatctt 180

gccacgtccg ccggataatc agctctgtta cgtcggcggc gataatcgca tggtcgctgt 240

tcatcgtcac actactttcg cctctctcct tagtaaactt gctaaactct ccggtaaaag 300

caacataagc gtgaagtacc agctaccaaa cgaagatctt gacgcgttga tttccgtatc 360

aacggacgaa gatgtagaga acatgatgga cgaatacgaa cgcgtcgcac aagaatcaaa 420

acccacgcgc ctctcgtcct ccgccttttc tcntcaacaa aaacgtcgcc ggaga 475

<210> 5389
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C7

<400> 5389

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aacaaaaaat cgccagcttt atctctctct ttttcacatc ccatggctag atggtgacga 120

cgattcacgc ataaactagg gttcccccac aaatcatctt acacgtatcc tctattcctt 180

ccttcctttc tccgtcatca tcatttttcc caccgacaac aatctctcgg agtttgggta 240

ttattacttc tctcatcaac caattgtacc actagatctc ccagattcct tcattatctc 300

tatcaataat ggcgttgaag tctagttctg ctgatggtaa aaccaagaag ctctgttcaa 360

atcttcaatg gtgtttaant taatggttgc cttccttttac aattttgggg aagcaatggc 420

aaacgaaant ggggttttgg gtaaaaagga gaacaagtaa ttggctcctt ggagaatgaa 480

ccaaacaagt ggg 493

<210> 5390
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C8

<400> 5390

tctgtcnccc tggctctacc gaatccgcac attcgcgggt cgacccacgc gtccgcaaaa 60

ccaagcgtgg tgctgctgct cttgcacgtt tgaaggtgtt tgagggagta ccacctcctt 120

atgacaaggt caagagaatg gtcattcctg atgctctcaa ggtgttgagg cttcaggctg 180

gtcacaagta ctgcttgttg ggacgtttgt cttctgaagt tggctggaac cattacgata 240

ccatcaagga gcttgaggtg aagagaaagg agaggtcaca agctttgtat gagcgtaaga 300

agcaactcac caagctcagg gcaaaggccg agaaggttgc agaggagaaa cttggatccc 360

agctcgatgt tcttgcatcg atcaagtact gaagaaaatc agcatctatc ttttggttta 420

actcttgttt tggttttaac caatcagatt tgttttcctc ccttgtatca ctgttgaagt 480

ttaacacctc aattcagttt aattatcagt tgatactt 518

<210> 5391
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-C9

<400> 5391

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annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caactcgaca catttgaccc agctccggtt 180

ccttccgagg catacgcctc ctctactact tcaatcccgc cgcttatcag cgacaaatat 240

ctcaccggag ctgagtttat tggcgtcggt cttctcgata aacccgaaga tatcgcctat 300

catcaagact ctaatctcat atatactggc tgcatagatg gatggggtga aacgaagtca 360

gtgttcaacg actcaagcta atggactcaa ttcgtttgag ggattgggtc aataacgggt 420

ggtaagaacg gctcgggaat cngccttttc ggagttcaac gggggaaan 469

<210> 5392
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D1

<400> 5392

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ggatggttag ggagcgcgag gaagctttgg tttgagatga taaagaaagg gatgcgacca 120

aacgagttcg cttacaatgt gatgatacac gggcatttta aaagaggcga aatttcgctt 180

gttgaagcat tctacaatga gatgttgaga aatggctatg gaggaacaat gttaagctgc 240

aatacgatga taaagggttt ctgctcacat ggaaaatcag acgaggcctt cgagattttc 300

aagaatatgt ctgaaaccgg ggttacaccg aatgcaatca cgtataacgc tttgataaaa 360

aggattttgc aaagaaaaca aaggttaaaa aaggcttgaa actatacaaa ggagccttaa 420

ggcctaagnt tngaagccct ccnggtatng catatgctgc actaatgaga aaatcctgaa 480

na 482

<210> 5393
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-D11

<400> 5393

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atgtgtatat atttcatgag ttttgtctag ttcatagaac tgatgaactg atttagagag 120

agagagatat atagggaaat ttannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnat taattactat tgagattgag atcagaatga aaatctccaa atctctctgg 240

agtgttatga tttctattct cttctatctt acttctgctc caccatttgt gatttgctca 300

tctcttgaag tcaccattga taaccattca ccaagcaatc tcaagactaa aggatcccta 360

gaacaagata agttgagtca tcaaatgata aatagcataa agcttcatgg cattctccta 420

aggggtttcc atgggctttc ttaagccaat ggg 453

<210> 5394
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B12

<400> 5394

acgcntccgc cggtggcggn gagaagaaac aaaggaaacc cagaaagcat ttttctcaat 60

ggcgtcgact acacgagaaa agtttgtatc tttcataaac aacagatggc tcgtcttcgt 120

ggctgccatg tggatacagt cttgtgctgg catcggttat ttgttcggaa gcatttctcc 180

ggttatcaaa agctccttaa actataatca gaaggagctt tccagacttg gagtcgccaa 240

ggatctcggt gatagtgtcg gattcatcgc cggtactctc tctgagatct tgcctcnttg 300

ggccgntctt cntgttggcg ncgttcanaa acccaaccgt tacngntggg tttggcttaa 360

cgtcaacggt cnaagcccga ttcttcctct aagggctacg tgtggtctcc aaggccttgg 420

gaacaatggg gagaccn 437

<210> 5395
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-G12

<400> 5395

acgcgtccgc atcatcacac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnncctcg ctctctctca agctctccta gctcgtgcaa 120

tctctcacca tggttctgac caacgtggat ctttaccagc tttctctgga ctcaaatcca 180

ccggttcacg cgcctcagct tcgtctcgtc gacgtatcgc tcaatccatg accaaaaacc 240

gatctctccg tcctcttgtt cgcgctgcag ctgttgagac tgttgagcca accactgatt 300

cgtcgattgt ggacaaatcg gtcaactcga ttangttttt ggctatcgat gcggtggaga 360

aggcaaatca ggtcatctgg gccttccnat gggttgtgct ccatggtcac atttgtatga 420

tgaggncatg aggtataacc ccaagaaccc tt 452

<210> 5396
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-G9

<400> 5396

acgcgtccgt gaacatcgag aaaaaatgag ttggtggtgg gctggcgcca tcggagctgc 60

caagaagaaa ctcgacgaag atgaaccatc acaaagcttc gagagcgtcg ctctcatcat 120

cggcgttant ggaatcgtcg gaaacagctt ggcngagatt ctccctcttt cngananacc 180

cggtggtcca tggaaagtct acggcgtcnc tcgtcgtcct cgtcctacct ggaacgccga 240

tcatccgatc gattacatcc agtgcgatgt ctccgacgcc cgaagacaca agattcaagc 300

tttccccttt aancgatgtc acacatgtct tctacgtnac ctggaacaat cgtgaatcgg 360

gaaaattnaa aactgtaaan caaatgggcn caagggtccg tnaagttntc caaacngatt 420

atccaaaaag gggccaaaan cncccaaaaa ntttgtttcc ca 462

<210> 5397
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-H10

<400> 5397

acgcgtccgc gaccgcgcaa ntctcccttt agcttcaaag atccgaggca gaccagttag 60

agtcaatgtc aagattcgaa tgggattagg gctattcata tcattcttag caatggcggt 120

ttccgcaact gttgaacatt acagaaggaa aaccgcgata agccaaggac tcgcaaacga 180

tgccaactca acagtgagca tctcagcaat gtggcttgta ccacagtatg tactacacgg 240

tttagcagag gccttgaccg ggataggaca gaccgagttt ttctataccg agtttcctaa 300

aagcatgtcg agtatcgcag cttcgttgtt cggtctanga atggcagtgg ctaatatctt 360

ggctantgtg attctaaatg cggtaaaaga atttctcaaa agcanggcaa tgtnnagccg 420

ggattgaaga taacatcaac aanggtcact atgactatta ct 462

<210> 5398
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-A2

<400> 5398

antggttgcc tgttcctacg gcccggaant cccggntcga cccacgcgtc cggtgaaagt 60

gacaagaaaa aagaaaagga attaancaag ggtgctgaaa gaaaagatct gaatgctgac 120

aagccaggtt ctgatttaac tcctgggaat gcgagagagg aagatgaagt tcccaataga 180

gagaagaatg tgcacaaagt tcagttatgg gctgagatca ggccatctct tcaagcaatt 240

gaggacttga tgagtgtccg tgtcaaaatg aaggggggatt ccacaaatgg cgagcaagaa 300

gctcagaaat tgaattcctt agcctcaact gatgagaccg agtcttcaaa gggagtatgt 360

gagaatgatt ccgaagacga gttctatgat gcggagatat cagatccaat tcaggatggn 420

tcttcaaatg gcacaagttg tctccagcat gtctgctgcc gctnannaac tttcccnagn 480

accggnatgc ccctggtaaa gtcatnttca agttcgtanc ccggggg 527

<210> 5399
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-A4

<400> 5399

actggtttgc ctgtnccacg gcccgganat cccgaatcga cccacgcgnc cgaagaaata 60

caaaataatt gagtttttt tttaattaga aacaaatggg gttgagtggt gttcttcatg 120

tggaggttga ggttaagtct ccggctgaaa agttctgggt agcccttggc gacggcatca 180

atctcttccc caaagctttc cctaacgact acaaaaccat ccaagttcta nccggcgatg 240

gcaacgctcc tggctccatt cgcctcatta cttatggaga aggatctcca ctggtgaaga 300

tatcggcgga gaggatcnaa gcagtggatt tggagaacaa aagcatgtcg tacagcatca 360

ttggcggana aatgttggag tactacaaaa ccttcaaagg aaccatcacc gttatcccta 420

aggatggnng tancccttct gaaatggnct ggtnantttg ngaaaaccgc ccatganant 480

caatgntcan aaggcctcan gggcctttgc tgtcaagaac ttcaaagaga 530

<210> 5400
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-A5

<400> 5400

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aatggtgaat ggattgattt gcctgatcat attctatgcg acatcaggaa tgatcttgaa 120

gcaaagagag ctacaattga gttcaattgg tgcggtcgcc attttctcct ggatttcttg 180

cacatgtatc gactagactt ggaaacaggt gtaaaaaccc agcttgcttg gattgatatt 240

gctggcaaat gctttttccc tgaaactttt gacaccctcg aaagggacgg ctgccatcat 300

atccgtgggg aaaattcgga acaacatgat naacgttaga ttaaacctca caattgaaat 360

tgatggtaaa tantgggaag ttaccgaagg ctgaaatttg atggtggcca cngacgaatc 420

cnggtgacaa taatnggatg aatttcaagn ccggttca 458

<210> 5401
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-A6

<400> 5401

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gagtcatggc gttagcatca accacgttgc cgacgaagtc cggattatct ctttggtgtc 120

cgtcttctcc gtctctcgct cgccgatttc ccgctcgttt ttctccgatc ggttctagaa 180

tcgcttccag aagcctcgtc actgcttcgt tcgctaacga gaatcgcgag tttgtgattg 240

ttggtggagg aaatgctgct ggttatgctg ctagaacttt tgtggaaaat ggaatggctg 300

atggtcggct atgcattgtg accaaaagag gcttacgcac cttatgagag accggctttg 360

acaaaagctt acttgttcca acaagagaag aanccanctc cgtttacnan gaatttcana 420

cttgcnttgg gaggtgtgga aaaaaggaaa ccacaanatt gggaataagg 470

<210> 5402
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-A8

<400> 5402

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tggtacttgg atttgcattc cacagattcc gctgttgttc gcgtaaatgt ttggattgtt 120

caatctgtct agctgaggac tttcagggat tctaccttta agcttgttgt tacgcaaatc 180

caatgtattc agctcgctta gcttggataa cgttttcggg atttcgccag tgaggttgtt 240

gtgtgaaagg tctaagctct ctaccttctc aagatctcca aaactttgtg ggatnaatcc 300

aagagaactc gttgttggna aaatttaaaa cctttangct ttgagattgc ctaaagaaat 360

tgggattctc cgtgtacctg ttcntggana atctaanaga gtgtaaangt agaagttccn 420

gccaaaanaa cttgtttgaa ttctccantc acaca 455

<210> 5403
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B1

<400> 5403

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gaaatttcta tcttccattt ccatctgatg aatctctgac gatgtctttg agaactcgag 120

catcgtcatg gcctcgtctt ctacttcgcc ggaaccctag atcttcattt tctcgtcaga 180

tatctactct cgattcctca acatcaacat ttcccagaag aatctccggt tactactcct 240

cctccttctt tcccgtaaat caaacgccat ggatctcatc tcagaggtac cgtttcttct 300

cctcaagcac aatgtcacca tcggaagctg atagagtagt gagagaactt atagcagagg 360

ttgagaaaga gaagcagcgt gagagagagg agagacaaag acaaggactt gattacaaag 420

acattgatgc cgaagacgaa gaagattact tagggattga gccgtttatc gaagaagcnt 480

aagaagcaga atttgaaaga tgatgggtga attaaataag cg 522

<210> 5404
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B10

<400> 5404

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gagtggtttt gctcgaggac gaacaaagtt tgtaaacaac cccaaacgag attttcctgg 120

atttcgttca cgatctccag ttagatcaag agaaagatca gatggttcat cctcgtcttt 180

caggaataga tcacaggaag agttcagtgg gcatacagac ttttctcatc gaagatcacc 240

ctcaggttac aaagtggaga ggatgagctc gcctgaccat tctggttatt caagagaaat 300

ggttgtcaga agacacaatt ctccaccttt ctcgcataga ccatcgaatg ctggaagggg 360

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ctcaatttag gaaaccatcn gtt 443

<210> 5405
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B11

<400> 5405

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tttttgggtg tagcctttgt cttctacctc tacagatacc cttcttcgcc atcgacggtg 180

gaacaatcat ccacttccat ctacaacatt tccgttaagg atattgaagg gaaagatgtg 240

agtttgagca agtttaccgg gaaagtgctt cttatagtca atgtagcctc taagtgtggt 300

ctaacacatg gaaactacaa agaaatgaac attctgtatg ccaagtacaa aactcanggg 360

tttgagattt tancatttcc cttgcaacca atttgggtaa gtcaagagcc aagcaagcaa 420

catggggatt aanggaaccg ttttgcaata atctnaaagc 460

<210> 5406
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B2

<400> 5406

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aacgtccgcg aaaacgaacg aatcagtgtc ggctcttggg ttccgaacaa aaacaacatt 120

gtacgtcgga tccaaaaaac gcgcgttata taaacgctta atttctccag gattcttctt 180

ctgcttccgc cattgctcga aaatcgcgtc ttctgacaat gtgctgaaac tgagtcatcg 240

tccgagttag caaagtgaaa cttcgaagtt tctcttacac taatctcagg tttgggattt 300

tgtaagaaac cgcgtttaca aaatgttcaa gttgaagcaa tggttgattt atttggtgtg 360

ttcgttagta ataatgaaca canaaggact gtttgtcaat attacatttg ttcgaaacgc 420

aatcgcnaaa ngggccgttt gtttagatng aaantcacca tcttancatt tggntaaang 480

ttctgnaact ggaatcaata aatggttaag aaactg 516

<210> 5407
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-G11

<400> 5407

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aagtatattc ntatgtattt taatcagaca acagagattg caaaagaaat gtatttttca 120

taaaactttt taattccgat aaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa 180

gcttacgtac gcgtgcatgc gacgtcatag ctcttctata gtgtcaccta aattcaattc 240

actggccgtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg 300

ccttgcagca catccccctt tcgccagctg gcgtaatagc gaagaggccc gcaccgatcg 360

cccttccaaa caagttgcgc aancctgaaa tggcnaatgg ggacgccgcc ctgttaccgg 420

cgcattaaag ccccggnggg ttgtggtggg taaccccaan cgtgaa 466

<210> 5408
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H6

<400> 5408

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tgcctcatgt tcttcatcag acctgttggt ggtcacaagc agatccgtcc cactgatgga 120

gccagcttta ctttcatcta cggtgtctgt cttctacttg ctgcctatct catgtccgtt 180

atgcttantc aagatctggt cgttgttagc cacaacgtaa tcactgtgtt caccattgtg 240

ttgtttgtca ttcntgttgt cncaatcttg ggtccaatca tgataagttt cttcacggag 300

acaaacganc ctgatgacac aatagaagaa cctcttgtcc aaaacgagat naccatgaac 360

caggactgca aacacctgat cnaatcttga gtgaantgga anatgagaag ccaaaagatg 420

tagatttgct tcctgcctca ngagagacat aagaagaatt gccattt 467

<210> 5409
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H9

<400> 5409

acgcgtccgc tccttataaa taagagaagc tcagtgcgtt actcaaatgg ccgtcacttt 60

ggtaacgtcc ttcgcttctt cgtcttctcg cttccatttc cgctcattct cctcttctcc 120

gtcgtctctc tcctcttgtt tcgtccgatt ccagttcccc tctcgcctta gactcgcttt 180

tgccgtcacg cctctctact cttcttctag agccatggct catacaatct cacacgctac 240

tctcggnctc actcaggcta actccgtcga tatcctaaga tctcattttc ggggaaggag 300

atcgacgtga cggaatggaa aggtgatata ctcgctgttg gagtgacgga gaaagacatg 360

ggtaaaggat gtgaactcca agttcgaaaa ancccgantc tgaagaagct tgatggccaa 420

cttgggggggg gcttttaacc gaagtcccc 449

<210> 5410
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-A11

<400> 5410

cccacgcgtc cgccnacgcg tccgcggacg cgtggggaga catcagagga cgacgatcga 60

tggatcctcg gatgtggcac aaagtcgccg ctatttccgg tatggctgct cttggtttgg 120

gaacttatgg tgctcatgtc tttaaaccag agaacccttc ttacaaacag gtgtggcaaa 180

cggcttcact ttaccatttg gttcacactg ctgctcttgt ttctgctcct agcaccaaat 240

atcccaacat ttttggtggc ttgttgactg ctggaattgt agccttttcc ggcacgtgtt 300

atatggtagc gctgcgggag gacagaaagt tttcgacatt ggcaccaatc ggaggcttgc 360

gttcaatgct gcatggggca actttacttt ccaaacaatc ccataaccaa tctataatgt 420

caaatttgtn ggtcaagcct aacccaacat atgaactcac t 461

<210> 5411
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-B10

<400> 5411

acgcgtccga gttcttccat gcatcaacct ggtgcaatgt taatgtctgc agcactgacg 60

agctctcaca gaaactacgc tgtgcgtaga gatatagcag atgcaagaga attttgtgtt 120

tgcttcatct gtccagctga aaacgttgga ggtgtgattg gaaaaggcgg tggtttcatt 180

aatcagatca ggcaagaaac tggtgctact attagagtca atacctcaga aactgatgat 240

gatgattgca tcattttcat atcatcaaaa gagttctacg aagatcaatc tccagcggtg 300

aatgcagcaa tacgcttaca acagcgatgc agtgagaaag ttggtaaaga tgcaaatgat 360

ttagcaatct cctacgcgtt tacttgtatc gagttcccaa atcggggtgt ctcantggna 420

aaagtggagc aattatatct gagatganga tgttacaag 459

<210> 5412
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-B11

<400> 5412

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ctgttacttc tccagtaatg tttcaccaga ttctcaccgt tctataggat ttacattggt 120

tgattcgctc cggccaacga acttggtttc cctgcgaacg ggaaataaac gttcgtcatc 180

gtcttcacta cggctatttc tctctccgac tagaagcgct ctccgtacgc cgactatttc 240

cgcggaggag gtgaaagatg tcccgatgcc gaagattgat aagagcggcc gattaagcag 300

tcctcgagcc gcacgcgagc tcgctcttgt aatactttat gccgcatgct tanaangntc 360

tgaccaattc gtctcttgag aanagaataa acgcaagaaa gaaaacctgg atacaanttg 420

acaanaattc ttgntgggat acaaacacat g 451

<210> 5413
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-B9

<400> 5413

acgcgtccgc ccacgcgtcc gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc 60

acgcgtccgc tgcttttgaa tttcaaacct tcacataaaa aaaatacttt tgaatccgtg 120

tttcattcat cgaatctttt tccgataact atggctgagg aaatcaagaa tgttcctgaa 180

caggaggtgc caaaggtagc aacagaggaa tcatcggcag aggttacaga tcgtggattg 240

ttcgatttct tgggaaagaa gaaagacgaa acaaaaccag aggagactcc gatcgcttca 300

gagtttgagc agaagggtca tatttcagag ccggagccag angttaaaca cgaaaagtcn 360

tcctgaaaaa gcntcaccga agcgacaant tcttctaact cctcaagtta aggaagaagg 420

gtcaaatggt gagaanaagg aagaataaga aggngaaaga 460

<210> 5414
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-C11

<400> 5414

acgcgtccgc ggacgcgtgg ggcaaaaaag tcttacgtca cactcccatg tagtagccgt 60

cacttctcgt cttcctccta gagattaccc aactctctcg cttcttcttt ttcctcttag 120

ggtttcttca tcctttaggg tttccacaaa aattcaaaac ctacttggaa atatttgggc 180

ttgaagaagg aagaattaga tggaaggaag aaggattacg gcaagcccta gaccttgtag 240

tggaagaaga attgtggcta agaaaaggtc tcgacccgat ggattcgtca acagtgttaa 300

aaagcttcaa cgaagagaaa tctcttctcg taaagatcga gctttctcta ttagcaccgc 360

ccaagagaga tttcgtaaca tgcgtctcgt ggagcaatat gatactcacg attcctaaaa 420

gggcactggt ttaaatttgc aattaccgtt ttttgatgaa aaan 464

<210> 5415
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-C12

<400> 5415

acgcgtccgc ccacgcgtcc gatttctatt ccaantccca aaaatggcga ttcgtcntcc 60

tctgatctgt cttcttggtt cattcatggt agtggcgatt gcggntgatt taacaccgga 120

gcgttattgg agcactgctt taccaaacac tcccattccc aactctctct ataatctttt 180

gactttcgat tttaccgacg ataanagtac caacntcnaa gtaggtaaag gcggagtaaa 240

cgttaacacc cataaaggta aaaccggtat cggaatcgcc gtgaacgttg gcaacggaag 300

tgtactcgtg gacacangca aagggcaaan cccggatgga acggaacaac aacgttaacc 360

gtttggcaan ccggaaaaaa ggtcaaccgg aaggtgggcn ttcgcaantt caaaaaccgg 420

ggtnaaaanc ccnggttaaa aagaaancng acntttaggg aattccggtt taaaagggcc 480

ggttntttac cgggtggcaa caaagcccc 509

<210> 5416
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-D10

<400> 5416

acgcgtccgt taaagccata tcttgcgaat ggctataatc gcaggtaatc atctctaaaa 60

ttctctctgc agtttgtctt tcccgaattg ataagtcagt cgcttctgca actgtgttcc 120

ttctgatacc caaaactttc catttgggat agtggcagaa ttagtggaag aagtaagcat 180

gagcagggtc gagcatgtat tgaactatct gaaacgtagg cagctcgaga atcctggttt 240

cttatatgca attgaggacg attgtgggaa tgttttctgg gcggatccaa cttgcaggtt 300

gaattacacc tactttggtg atacctagtc tttgacacca cctataggag gggtaaagan 360

gtatcaagtg caatttgctg ccttcaccgg gttcaaccat catgggaagc cggtcctttt 420

tgggtggtgc nccaaaatca acgaatccga ancccc 456

<210> 5417
<211> 457
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-D11

<400> 5417

acgcgtccga atcgatgcag tttctggctt ccgaagaaga aaagatcatg cgcgaatact 60

cgaatcgaga gttctatgtt ttgtggaaac catagccaga gattggaagg tcaatggatt 120

ccatgcccta ttgatccttc tcagagaatc tcgaatggca tgtaaagaga tgtcctttac 180

ttaaacaaac tgtagaattg tctggtcaac gattttatca gaagggtatt aatgctggga 240

acgacgaana agaagaaaag atgggatctt gttctcttgt tacttcagag atgaagagaa 300

atctgctcta tagtatgagt gtttctaagt ttcatcagct tattaagaaa attgaggatg 360

ttcatggcgg tattttgtta aagatatcca aaaatcctaa tttgcaacct gaaacctgtt 420

acataagggt taataaggnc atagttagaa attacca 457

<210> 5418
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-D9

<400> 5418

acaatacagc cctgctaccg tggagaaatc atggtatgct tggtgggaga aatctgacct 60

ttttaaggcg gatgctaaga gttccaagcc acctttttgta attgttcttc ctcctccaaa 120

tgtgactgga gccttgcata ttggccatgc gcttacatct gcaattgagg atacaattat 180

tcgttggaag agaatgtctg ggtataatgc tttgtgggta cccggggttg accatgctgg 240

tatagctaca caggtggtgg tcgagaaaaa gatcatgcgt gatagaggca tgactaggca 300

tgatgttggc cgtgaagaat tcgtaaagga agtgtggaag tggaagaacc agtacggcgg 360

tacaattcta acacagctac ggcgactaag aaccttctct cgactggtcc ccgtgaantg 420

ttttacaatt ggacnaagca aaagattaaa aagctgtcac tgaaggcc 468

<210> 5419
<211> 443
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-E11

<400> 5419

acgcgtccgc ccacgcgtcc gggggattca caatgtggat ggggagaaga attataaggc 60

ttacatgtct catgactact ttgatgctga gttgacccag cttggctgga aacaggtaga 120

tagtttgcgt aagcatgttc attccagtgg acttcacaag aagatcgaac tggtcatttc 180

gtctccactg atgagaacct tgcaaactgc tgttggtgtt tttggtggag agggctacac 240

ggatatgagt gatgtactac ctctaatggt agcaaatgca ggaaatagca gccgtgcagc 300

tatatcgagt ttaaactgcc caccagttat tacagaggag tcctgcagag agcatttggg 360

aatgcatcca tgtgatcaga ggagaaatat cagcgactat cagtttcctt tccctgcagt 420

ttgactttca ctgatagaaa ncc 443

<210> 5420
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-024-Q1-E1-F12

<400> 5420

acgcgtccgc aaaaccttct cctctcctct gggagatctc catcttcttc gcttcttcgc 60

ttccccgcct gaaacaatta ctcgatctcg ccggcggaac aagctctccg tttctcnttc 120

cggcagatcg attcttccaa ttccttattc ctttctaggt cttccttaag aaaccttac 180

tttcttcaaa atctgcattt atggcgatta gggttacctt cacctactcc agctatgttg 240

ctaggagcat tgcttcatcc gccgggactc gtgtcggtac cggcgacgtt agatcatgct 300

tcgaaacatg ggttcgtccc aggttctgcg gccacaatca gataccagat attgttgata 360

aatctnccgg attcaacaca tggggtccaa acncaaggcc tcgtgctcga caacttcatc 420

aatgtatagc accaatgcga aggaaaacct cgaag 455

<210> 5421
<211> 468
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H5

<400> 5421

acgcgtccga gagaagaaan atatagaaaa aaaatgggag gcaanggtgt gatgatggtg 60

gcnatacttt gcctttgggc actctctgca acatctgaag cactaacaga ngctgaccca 120

ggtttgatga tgaacttcta caangacacg tgtcctcagg ccgaagacat cgtccgtgaa 180

caantcannc tcctctacaa acgccacang aacaccgctt tctcttggct ccgtaacatc 240

ttccatgact gngccgttga gtcatgtgat gcgtcgcttt tgctggattc gacaaganga 300

gagctatgat aagaaagaac actacaagga gcttcggact taagaaactt ntacgtacat 360

cgangaagat naaagggaag ctctcnaaga agggaagtgt cctgggtgtt ggccncaatg 420

ttctggacan tccccgtccn tgtccngcaa agaagaaagg naatccaa 468

<210> 5422
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F12

<400> 5422

acgcgtccgc ttcatttatc tctctctctc tctctatttc ttttgcttcc ttttggtatt 60

tgctttgtat gtttgttttg agatcaaaat ggcttcaagt gcttcaaagt tcatcaagtg 120

tgtgactgtt ggtgatggtg ctgttggtaa aacctgtatg ctcatctgct acaccagcaa 180

taaattcccc actgactaca taccaacagt ttttgacaac tttagtgcaa atgttgttgt 240

tgaaggcacc actgtcaatt tggggctttg ggacactgct gggcaagaag actataanag 300

attaaggcct ttaagttaca ggggagcaga tgttttcgtc ttgtctttct cattagncaa 360

ccgagctanc tacgagaatg tttttaanaa gtggatccct gaactccaac actttgctcc 420

aaggagttcc ccttgtcccc tgttggtaca a 451

<210> 5423
<211> 481
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F3

<400> 5423

acgcgtccgc ccacgcgtcc gcccacgcgt ccgattgcat tgcctgcaat gactatgtag 60

ctcttgccca caccgatctt gataaggaaa ccgaggaaat aatagcggat gtacttggcg 120

ttgaagtttt ccgtcagaca attgcaggca acattctcgt gggcagttac tgtgccctat 180

ccaacaaagg tggaatggtc catcctcaca cctcagtgga agacttggaa gaactctcaa 240

cacttcttca agtccctctc gttgcaggaa ccgtgaaccg tggtagtgaa gttatcgctg 300

cgggtatgac cgttaatgat tggacctctt tctgcggttc agacacaact gcgactgagc 360

tctcctgtca tagacaagca tccttcaagc taanggaaac ccaanccaac tctaacctca 420

atgagatgaa ggaaatcaat tgattcgaaa actaangttt aaaatttgtn tggtttggaa 480

t 481

<210> 5424
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F5

<400> 5424

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ggccgcctca acaatggctc tctcctcccc tgccttcgcc ggtaaggccg tcaagctttc 120

ccccgcggca tctgaattcc ttggaagcgg ccgtgtgaca atgatgaaga ctgttgccaa 180

gccanagggc ccatcangca gcncatggta cggatctgac cgtgtcaagt ncttgggtcn 240

attctctggn gantcantga anctaccctt atcggagaat ttccccggat actaacggat 300

gggaacaccg ccngacttta agctgnaccc cnagaacatt ccaaagggaa ccgtgaacta 360

taaatttatc cacagcaang gtgngccaat ggctccggaa nccctaangc tgcngtccnt 420

cccntaagcc ttttgggcta agaaaacngn ntccaagntt cggaaantgc gggtttggtt 480

caaaggccgg gttcanaa 498

<210> 5425
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F6

<400> 5425

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cctcctcacg acttctttag ctaaagatct ctgtcataaa gatgacaaaa ctaccctcct 120

caagatcaag aaatccctaa acaacccttа ccacctcgcc tcatgggatc ccaaaaccga 180

ctgttgctct tggtactgcc tcgagtgcgg cgacgctact gtcaaccacc gtgtcacttc 240

cctaatcata caagacggcg agatctccgg tcagatcccc cctgaagtcg gtgacttacc 300

gtatcttaca tcccttatct tccgcaaact cactaacctc actgggtcac atccaaccca 360

ctatcgccaa agctcangaa cctcactttt ctcagactaa gctggacaaa tctcaccggg 420

tccggttcct gagtttctga gtcagctcaa gaatcttgag tacattgacc t 471

<210> 5426
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-F7

<400> 5426

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tgaatctatc agtttcttcc aatttcactc accgatcact cctcgaatca cgatttccta 120

tattctccac cggattccgc aaatccgtca atctcaaacc tccccgtgtc tcatctggtc 180

ctgaatccaa cgattcaggt cacgaaacct taaccgataa gcttatccat ctcctcagag 240

ctgttccaga ttgggcagac gagattaaag agcgtgggat gcagcaagaa acgctctctc 300

tacacacacg agaaatgggt tgaacataga agctctcttc gccatgtgcg tcatctactc 360

tcgagctttt cttcacgagt tatactctcc ctggattcca cctgtttcct cctcacaaag 420

cgtcgcgggt tgtgattggc aagctaacaa ctcccgccgg tgggcttggg attgggc 477

<210> 5427
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F8

<400> 5427

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gatcggagcc ggaccagccg gtctcataac gtctagggag ctccgtcgtg aaggtcacag 120

tgtagttgtg tttgaacggg agaaacaagt cggtggtcta tgggtttaca cacctaaatc 180

cgattccgat ccacttagcc ttgaccccac ccgatccaaa gtccactcga gcatctacga 240

gtctctccga accaatgtcc cgagagaaag tatgggtgtc agggacttcc cgtttttgcc 300

acgtttcgat gacgagtcaa gagacgcgag acgttatcca aatcataggg aagttcttgc 360

gtatattcaa gactttgcta aaaaatttaa aatanaagga gatgattcgg ttcgagaacg 420

aagtggtcnc cnttgaaccg gttgacacgg aactggaggt caattcn 467

<210> 5428
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-G1

<400> 5428

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tcttctaagt ttctgagaaa ccgtagcttc tatggctcct ctcaatctct cgcctctcat 180

cggttcgcaa tcattcccga tcagggtcac tcttgttctg actctccaca caagggttac 240

gtttgcagaa caacttattc attgaaatct ccggtttttg gtggatttag tcatcaactc 300

tatcaccaga gtagctcctt ggttgaggag gagcttgacc attttcgctt gttgccgatg 360

aactgtcact tctaagtaat aagttgagaa aaatggtact tgccgaaggt tcaaagcttg 420

ctccgcggcg agtacttctc aaaaaggggt gttcaaagga aacaanttcg ttc 473

<210> 5429
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-G10

<400> 5429

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tctaaaacca acttggaact tgataaacgt cgttgacgca agtaaaacaa ttgtgagagg 120

aataagcggt ggagctgaaa cgatagctaa agagagagtt gacaccgtag tgatcggtgc 180

cggagtcgta ggtttagcgg tggcgcgtga gctcagtctc cgcggcagag aagttctgat 240

cctcgacgcc gcatcatcgt tcggcaccgt gacgagttcc cgcaacagtg aagtcgtcca 300

cgccggaatc tattatccac caaactctct aaaggccaag ttttgtgtaa gagggaggga 360

attgctgtat aaatactgct ctgaatatga aatccctcat aagaagattg gtaagcttat 420

cgttgctacg ggattctctg aaataccgaa a 451

<210> 5430
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-G3

<400> 5430

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cgatgcctan aagtgcgaca atggtcggag ctttgctggg tctcggtacc cagatgtact 120

ccaacgccct ccgcaagctc ccttatatgc gtcatccgtg ggagcatgtg gtgggtangg 180

gacttggngc tgtgtttgcg aaccagctcg tgaaatggga tgtgaagctt aaggangatc 240

ttgatgtgat gctcgctaag gctanagctg ctaatgancg ccgttacttt gatnaatatc 300

gggattaatt ttgcgtgatc ttgaagtctt cacaaaaaga nntatcctcc ctgaaccatc 360

tcnngtgctg gnttgtctga tnttcctgtn aancgttcnc ncctcgcttg gctcagtccg 420

gagtcttnca ncacgtttca aatcactaag 450

<210> 5431

<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-G9

<400> 5431

acgcgtccgc gaagcttttg aaggtaagaa gagagtacac gtcattgatt tctcgatgaa 60

ccaaggtctt caatggcctg cacttatgca agctcttgcg cttcgagaag gaggtcctcc 120

aactttccgg ttaaccggaa ttggtccacc ggcgccggat aattctgatc atcttcatga 180

agttggttgt aaattagctc agcttgcgga ggcgattcac gtagaattcg aataccgtgg 240

attcgttgct aacagcttag ccgatctcga tgcttcgatg cttgagctta gaccgagcga 300

tacggaagct gttgcggtga actctgtttt tgagctacat aagctcttag gtcgtcccgg 360

tgggatagag aaagttctcg gcgttgtgaa acagattaaa ccggtgattt tcacggtggt 420

tgancaagaa tcgaacataa cggacc 446

<210> 5432
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H12

<400> 5432

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gaaggatgga tcaagaaact tgaaataaca aatagatcag gccgtaaaac cagaagagat 120

ccattcttca ttgaccctaa aagtgagtat atctttcaat ccttcaaaga cgcatcacgg 180

tatgttgaga ctggcaatat tggacattat gcacgtaaat tgaaagaaag tgatatcgaa 240

gatgatgatt ccggaaatgg aaagactgtt cttcgtctgg agtatgtgga caagagatct 300

gcaaatgatg tattggaaaa agagaaaacg atagatgatg tcaagaagaa gtaaacggng 360

aaacttatct tcctccgatg aacattccaa gaattgtnaa atgacttctg acttgagcat 420

tgtaacctca caagttcttg aggattgggg a 451

<210> 5433

<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H2

<400> 5433

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cttcatacgg tccttggata gaatctgagg ttgggattac tgagtatgca aaactaggaa 120

gcagcaacaa atctcaaggt cagcggagat tgaatccatt ggcccgtcag ttctctcttg 180

cagatgctaa acaaaagcca tatggctatg gtaaaaacca agctgcagat gatttatcgc 240

tagtggtgaa tactagcggt ttatacattc cagctcgtta tagggaggac cataatgtag 300

tagatgcaga cttagcacaa tcctcagtaa atgtggagcg ttttcttccc aacatgtcac 360

atggcggttc ctcacttata aactccaaag gnaagacagt tacnttgggt ccaactaaan 420

ttgantgccg tgganccaaa accccaaaat ttcagttaaa ggggtataaa agantttaa 480

c 481

<210> 5434
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-H4

<400> 5434

acgcgtccgc ttaagtttaa gaggagaaac tatcggnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntgtt gtctctctcg gatctcccaa 300

gtacactatg ggaaatgatc tttggtatgg acctgacaga gtgaagtact angacccttt 360

ccgttcaaac tccgtcttac ctcancggng aaattcctgg cgaattaagg gttggaaaac 420

cgcccggttt atccgcagaa ccccggaanc cttggcaaaa aacangaact ccttggagg 479

<210> 5435
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-F10

<400> 5435

acgcgtccgc ccacgcgtcc gggtgctcaa gagtgcaaac aaatatttgc aagattctat 60

tgtgttaatg agaaagcttc ttcaanaaca actctcaggt tccaagaagg gtgctaagaa 120

aggtgctcaa gtaacagctg tgccagaggg gaagctaaaa ggcctagtat atgtgaatga 180

gcaatttgat ggatggagag ctcactgcct gcggattctg caaagtagat ttgaccagca 240

aacctgtant ttccccccgg atacagagat gcttgcanaa ctnagtgcaa cattgttgca 300

ngagggaaaa aacttgaaag ccattcaaaa ggtttgcatg cctttcctta aattcaagaa 360

ggacgangca atatctattg gcactcaggc tctgaacttg acggttacct tttgganata 420

tcaaagtc 428

<210> 5436
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F7

<400> 5436

acgcgtccgg ctnnttcttc ntgtttgaat ctcttcttct tctcttttct ctccgctcta 60

atcatttcta aatctcagat ctctgattcc gttaacgggg tcgttttccc tgttgttaaa 120

gaccttcnaa ccggtcaata cntcgcacag attcgactcg gtgactcacc ggatccagtc 180

aagctcgtag tcnatctggc cggctcaatt ctctggtttg attgttcctc aagacatgtt 240

tcctcgtcaa ggaacctaat atccggtagc tctagcggct gcttaaaggc aaaagttgga 300

aatgaacgag tatcatcaac atcatcatcc gcgtaaaaga caaaaacgcc ggattgccaa 360

ataacttgtt aaaaaacgaa nccttttgggg gaataacggc gaagaaggan aannttttta 420

agtgaacgtc aatgtnnggt tgggtcctgg ttaaantnct cccggggaaa acgtttgatt 480

<210> 5437
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F8

<400> 5437

gaantggtct gttttgccgg ctctaccggt aangganatt cccggggtcg acccacgcgt 60

ccggatngaa tccgttatgc ttcctcctcc ttggcggttg atgccaataa ctgcagcggc 120

tgaagcgatt tgggcgtgtt cgattgaaga actagggctg gagaatgagg ccgagaaacc 180

gagcaatgcg ttgttaacta gagcttggtc tccaggatgg agcaatgctg ataagttact 240

aaatgagttc atcgagaagc agttgataga ttatgcaaag aacagcaaga aagttgttgg 300

gaattctact tcactacttt ctccgtatct ccatttcggg gaaataagcg tcagacacgt 360

tttccaagtg tgcccggatg aaacaaatta tatggggcaa ggagataaag aacagtgaag 420

ggagaagaaa gtgcagatct tttcctaagg gaaaccgttt aaagaagaat aatccccggt 480

aaataangtt caaccttccc gtttactcaa cgaagaaacc gttgt 525

<210> 5438
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G1

<400> 5438

acgcgtccga tcaaatcaaa atctcaactc tagagattta ttgttgaccc gtttaccgcg 60

attctctcct caattcgccg gtaaacccct aactctgtcg gaaaacccta attcgccgcg 120

acggaaatta ccaatactcg tttcctcgta gcattggatt tttaaagctg ttgattccag 180

ctttgttgag gttaaagcaa ctatgaagcc tgttcttcac tcgggttctt catccaatgg 240

attttcacac aggagatttg aaaaggaggc atggatgaat aacgcacagc cttctgttga 300

caatacagaa aacggttggg acgctgaaag tgtggataac ccttctcaag aagctgttaa 360

gtgtattcaa caactttgta ataatgggnc aatcanggta agaaattcaa cccaaaaatg 420

ggttctggtt taacancggg naataatttc aatggctggc taaatgttgg agaaaggant 480

tt 482

<210> 5439
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G10

<400> 5439

aagtggtttc ctttggccag ntctaccggn annggacaat cccgggtcga cccacgcgtc 60

cgaaaaagaa gaacccaaga tcgactctta cttcgaatct ctctcaactt tcttcctcag 120

cttacgggaa cttccacaca tatacatcca caagaaccca tatcgaagat tcatcctaca 180

tatatttaca tggatcagta ctcatcctct ttggtcgata cttcattaga tctcactatt 240

ggcgttactc gtatgcgagt tgaagaagat ccaccgacaa gtgctttggt ggaagaatta 300

aaccgagtta gtgctgagaa caagaagctc tcggagatgc taactttgat gtgtgacaac 360

tacaacgtct tgaggaagca acttatggaa tatgttaaca agagcaacat aaccgagagg 420

gatcaaatca gccctcccaa gaaacgcaaa tccccggcga agagaggacg cattcagctg 480

cgcggttatt gggcggagtg tcggagagta gctcaacgga ttaa 524

<210> 5440
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G12

<400> 5440

aatggttcct tgccngccta cggacggaat tccgggtcga cccacgcgtc cgcccacgcg 60

tccgcaggaa tcacaatcgc tgaatatttt agagatatgg gctacaatgt tagtatgatg 120

gcagactcaa cttcccgttg ggcagaagca ttaagagaaa tttcaggacg gctggctgaa 180

atgcctgctg acagtggata tccagcctat ctagcagcac gtttagcatc tttctatgaa 240

cgtgctggta aagtaaaatg tcttggtgga ccagaacgta acggaagtgt tacaattgtt 300

ggtgcagttt cgcctcctgg gaggagactt ttcagatcct gtgacttcag caacccttag 360

tattgtgcaa gtcttctggg gtttggacaa aaagcttgcc caagagaaaa cattttccct 420

ctgttaattg ggttgatttc ttactcaaag tattcaacgg nactgggatc cttccaatga 480

naagttcgat tcaaatttca tcaacatcan gaca 514

<210> 5441
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G3

<400> 5441

tttgntctgc cccgtccgga ccatcaatcg cgggccgacc nagntcacta aacggaggnc 60

gccctttttt ttttttttg gagntacaat gcnatgaatt ccaaaccaga taagattcaa 120

ataaancaga gactaagaag gctgttcaaa cagtaataat tcttgcngat gancactaaa 180

ccagaacgat aacangaaac aaagatacag tcagtactca ctagtttgag ggcacctacg 240

gnaagcaagt aatactacag atggtagacg ttccagtgct taatgatgaa acatcatcag 300

tacaagcaaa cgtgtttttc atcatacacc gtatcacttt cacaagtggc tgcagtcatt 360

ccgcancata angagattga cttcgataat caacatcaac tttgcgcana ngancagggc 420

taccatgaga tggggaactc tcattgctac gcctttcaag gagacatctc cttaanaang 480

gnaaggcttt tgcaaagcaa ggct 504

<210> 5442
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G4

<400> 5442

cgtccggaaa tcangggtcg acccacgcgt ccgcccangc gtccggaaac cttccttgtg 60

gattcccact tctttcttct gttttcttct tcctcttctt taaattggat gttttgggca 120

agaaacagag agaaacacgt taatttgaga gtttgtcatt gaatatttgg tttgcaatgg 180

aaagagattt tctgggtttg agcgacaagc agtatctaag taataacgtt aagcatgagg 240

ttaacgatga tgctgtcgaa gaacgagggt taagtacgaa ggcagctaga gaatggggga 300

agtcaaaggt ttttgctact tcaagtttca tgccttcttc agatttccaa ggaggctaag 360

gcgtttccgg gtgcatacca atggggatca gtttctgcgg gcaatgtttt cccgcaaatg 420

ccaatttggt ggtgcgtttc aaaacgcgac gccgcnttta ctaaggnggt tcaattncct 480

tacaactcaa c 491

<210> 5443
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G5

<400> 5443

acgcgtccgc tcnaacttct catccatatt ataatccaac ttgccaataa ttttttcaac 60

tgttacagat tactacatca acgaaatatt aaacatttaa ccatatataa aagttggaga 120

tatatgatat aagcttttct tagcagtccc acccttcctc tctcgagaga gctccattcc 180

aatcaaagct gtaaacacac ttcagaagat ggagatcact aacgttaccg agtatgatgc 240

aatcgcaaag gcgaagttgc ctaagatggt atatgactac tatgcatctg gtgcagaaga 300

tcaatggact cttcaagaga acagaaacgc ttttgcaaga atcctcttcc ggcctcggga 360

ttttgattga tgtgaacaaa attgatatgg cgaactaacg gtcttggggg ttcaaagatc 420

tccgatgccg attaagggtg gctcccactg gccttcaaaa gaatggc 467

<210> 5444
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-G9

<400> 5444

acgcgtccga tgcnaccttt tatggcggaa gtgatgcctc tggtacaatg ggtggagctt 60

gtggttatgg aaacctatac acagacggct acaagacaaa caccgcggcg ttaagcacgg 120

ccctgttcaa cgacggcaag tcatgcggtg gatgttacca aatcttgtgt gatgcaacca 180

aagtaccaca atggtgtctt aaaggcaaat caatcactat cacagctaca aacttctgtc 240

caccgaactt tgctcaggca agcgacaatg gaggttggtg caacccaccg agacctcatt 300

tcgacatggc tcagcctgcg tttctcacca tcgctaaagt acaaaagctg gaatcgtccc 360

cattctttac aaaaaaagtt ggatgtagaa agaaacggag ggatgagatt acaataaacg 420

gtagaaacta atttcaacct ggtcccatct caaacgtaca agaggg 466

<210> 5445
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H1

<400> 5445

acgcgtccga atttttttgt ttcccatttc tctcagaaag tgttctgttc ttttttttctt 60

ttgtaatcac taaatgcttc aaaagtttgt ccacaattat atttgaaaaa aatgtctgta 120

tctgtagcag cagagcatga ttacataggt ttgtcagagt ttccaaccat ggaagcaaca 180

acaatgtctg acaaaaccaa aaccagagac aataacaacg gtctcaattt caaggctacc 240

gagttaagac tcggtttacc cggttctgag tcgccggagc gagtcgactc aagattcttg 300

gctctcaaca agagtaactg tcccgtgtca ggtgccaaaa agggtgttct ccgacgctat 360

taaacgaact cctaacaaat gggtcctctc tcctgggatt cactactggc tactggtgat 420

gtcgggctcc ggggttcngg tccccgtacc tccgtcgntt aaagaa 466

<210> 5446
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-022-Q2-E1-H10

<400> 5446

acgcgtccgt acacatgctg ggttatccca cacactttgg gcagatggag tgcttgaagc 60

taattgcatc tcctggattt ccacgagaag aggattggat atctagggct aatgttgctt 120

cttgatgaga gacaagaagt gttgatgctt gtcacaaatt cgttaaaaca agatcttaat 180

cactcgaacc agtatgttgt aggacttgct ctctgtgctt tagggaatat ttgttcagca 240

gaaatggccc gtgatcttgc gccagaagta gaaagattaa tccagtttcg tgaccctaat 300

atccgaaaga aggcggcgct ttgctctact aagaataata aggaaagttc caagatctaa 360

caagaaaact tcgtaaatgc tgctgcttcc ttgcttaaaa gaaaagcatc atggggttcc 420

tataacaagg agttcaactt tgttatgaat tatgcacgaa ttaatggatg aagccc 476

<210> 5447
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H11

<400> 5447

acgcgtccgt tgancttctc cgatttgaaa tcgccggcga aaatggaatc ctccggcgac 60

aagcaaactt cttctcttta ccctactgtt gacacatcca atcccgaagc tcctataaac 120

cctagctcat catcttctac taacaatctc tatccttctc tcgatatgaa tgatctcgct 180

cgtaatctct tccctgaaca accagagacg agttctattc cggtttcagc tcctcccgct 240

gcgacggagg aagtaatttt gaaaatctcc ggcgcgattc ttcatttaat cgacaaatct 300

tacagcgtcg agctcgcttg cggtgatctt gagatcatcc gtattgttca aggagagaat 360

gttgtcgctg ttctccgcta ntgtctccga tganaatcaa tgggccgttt gactaaagga 420

tnaagaactc tgtcaangtc gatgaagtct caattaattt cttcangcct tcgt 474

<210> 5448
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H12

<400> 5448

acgcgtccgc ccangcgtcc gatctcacat tccctcttca caacaacagc ttcgtattcg 60

ctcatcttct tcgctttcng atcttgngaa atcgcaggca ttgttcgtct actcgaggat 120

ttcaattttg gtcatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naccggcggt tcgtatttcc gacgggaatc 240

taatcatcaa aaaccggncg attctaaccg gtgtaccaga taatgtcatc acgacgtcag 300

catcggaagc tggaccggta gaaggagtct tcgtcggagc tgtatttaac aangaagaga 360

gtaaacacat cgtaccgatc ggtacgcttc gcaattcccg gtttatgtct tgtttccggt 420

ttaagctctg ggtggatggg ccaaagaatg ggaaaaatgg gccgagatan tc 472

<210> 5449
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F6

<400> 5449

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gcggacgcgt gggcggacgc gtgggcggac gcgtgggaac taaaagcctt tgtgtgtgcc 120

agattagctc cctactaatc cgccgccgca cctcctcgat ctccgcccag ctcccttctt 180

ttctatctat ctattcagtt gtttctccgg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnngag atttgtgacg tatccgccgc ctctatctgt gcctccgtcg 360

gctcctcagt cacctaactt ctctggtggt ctccgatnac aaccttcctt cctcgttgag 420

caagagaagt atccttctga gttacttgaa gaacgtcaca aagcttactc caattttggc 480

tgtgcnttca aatgttttgc cggntcaatg aaaca 515

<210> 5450
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D9

<400> 5450

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tcgttaattc cgataaggtc aaaatccaca ttcaccggat ttcgatcgag aaccggtgtt 120

tatttaagca aaacgacggc gcttcagtcg tctacaaaac tgagtgtggc ggcggagagt 180

cctgcggcga caattgcgac ggatgattgg gggaaagtat cggcggttct gtttgatatg 240

gacggtgtgc tttgtaacag tgaagatctt tctagacgcg ccgccgtgga tgtttttacg 300

gagatgggag ttgaagtcac tgtggacgat ttcgttcctt ttaagggaac aggtgaagcc 360

aagtttttaa gaggtgttgc ttcagtcaaa gaagttaaag gatttgattc aaatgcaagc 420

taaagagaan atccttgaaa tatatccccg ataagtatgc gaagc 465

<210> 5451
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E1

<400> 5451

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aagggcaaat ctttcttctc cttcgtcact ctaattgagt tgactaaaca cagttcgagt 120

tcgagagaca atggatcttg ctaagtttct gtgttggatt gttttgctac tgggaatctc 180

actcgtagaa tcaaggtaca tggtctacaa tacttcacat accattgttc ctggaaaact 240

taatgtccat gtggttcctc attctcacga tgatgttggt tggctcaaga ccgttgacca 300

gtactatgtt ggctccaaca actctatcca ngttgcttgt gttcaaaatg tactggattc 360

aattgttcct gcgctgttgg ctgataagaa tcgcaaattc atttaagttg aacaagcgtt 420

ttttcaaccg gtggtggnat gaacaaagtg aggagattaa a 461

<210> 5452
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E10

<400> 5452

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngagaat gtcttctaca acaatcggcg 120

agcacatcag actccgacga gctagaaacc aaacaatccg tcatctccac gccgccgacg 180

atgatccgcc gctaagccac gtcgttcttc cgatttcaca acctaatcgc ttctgtaact 240

ccgcaatgtc ttccttcttt cccctcccga cttcctcctc caacgaaagc acgaggaaga 300

aaccgtacca aacgtcgtcg tttcgaggga tgggttgcta tgccgcagca gcagcagcag 360

ctcaagaggt ttctgttccc tccgtcattc gctactccgc gggatttggg atgccagaat 420

tagaaaagat aagaagaaga agagcataag cataagaaaa agnagaa 467

<210> 5453
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E11

<400> 5453

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ggtggtaaag acaagcatcn tgatgagcan cgagaaagga tttcatggtt ttccagnagg 120

tggacattac ccacctgctc aaggangtta ccctcctcaa ggttacccac cacaacaagg 180

gtatcctcca gctggaggcn acccacctgc cggatatcct cctgntgctt accctgctgc 240

gcccggtggt tatccncctg cacctggagg ttaccctcct gctggctatc ctgcacctgg 300

agctcaccat tnaggacatt ctggtggtgg actcggaggc atgatagcag gtgcaagctg 360

ggtgcagccn caacagctta tggagctcac atgttgngtc acncntctca caaccttact 420

ggcatgctgt atgacatgga nggtatgggc atgccctgnc attgg 465

<210> 5454
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E5

<400> 5454

acgcgtccga acagagtcat cctcttcgtc ttctttctct gaccaaaaca gagcgaaaag 60

caaaaatgaa aagtggaggg aacacaaaca ctaaactcat acttgttcat ccatacattc 120

aaaagcaann aagcacaaat cgtctatggc ttctcgcttt cgtttctttc ttcacaatcg 180

cttttctcct aactcttctc tacaccaccg actccatcat ctcttctaaa aacaactccg 240

ccaccgtctc ctccgccgtc aattctgccg tcaccaccgc taccatctct cagttaccaa 300

caacagccat caatgcaatg cttcactacg cttcaagatn aaacgacaag ctancacatg 360

tcatacggag agatgaaatc aatctccgac gtcctccggc gctgctctcc gccgttgtaa 420

tcctcctaag tccttcggtc cttacacacg aaaacccttc tcctggg 467

<210> 5455
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E6

<400> 5455

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cttgtcaaac aatcaaaccc tttttagata tagaaaatgg gaatcaaatt cagccaaggt 120

ccttcgaata caaccattca caacagaagt catcaagatg gtgaggatca aaggaacgag 180

acggcgacga agatcaatca tgacaagcct caaaatcaat caagtagctt tcagattcca 240

cttcattatc caaagtatac aaagagtgat tatgagaaaa tgccagagtg gcaattggat 300

cggcttctga gagagtacgg cttgccggtt atcggagatt cttacgaaga agaggaaatt 360

tgccatcgga gcatttctct ggtcgtcgga gaacgaacac tanatnatat gttatccgta 420

atagacgtca tccgtttcat atggtactgt ttgaataaag ataag 465

<210> 5456
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-E7

<400> 5456

acgcgtccgc ggacgcgtgg gtgcaatttc aatcccttgt ctcgtcatgg attccgtctt 60

ctctaacgtt gctcgtgctc ccgaagatcc tattctcggt gtaactgttg cttacaacaa 120

tgatcctagt cctgttaaga tcaatttggg tgtcggtgcc taccgaactg aggaagggaa 180

gcctcttgtt cttgatgtgg tgcgtaaggc agagcaacag ctagtgaacg atccgtctcg 240

ggtcaaggaa tacattccca ttgttggtat ttccgatttt aacaagttaa gcgccaagct 300

catcttaagt gctgacagtc ctgcgattac agaaaagtta gaagttacta acaagtccaa 360

gttgcttgtc tgggtaactg ggttccgttt gaagaatttg ggggcctgaa gtttcctcaa 420

aanacacaac taaccaacna aaaggtggtc aanttaacaa ttcccaaaaa nccaancctt 480

nggggggaa aaccaatc 498

<210> 5457
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F1

<400> 5457

aatggttgtt ggcctgccgt ccggaatcaa gggtcgaccc acgcgtccgc ttcactcnaa 60

ttgcgattga ttctcctgtc ttctccaatt tatcagagat gacacctgaa tcaaacgctc 120

cctcagtaga tccacaattt gtaggcaatg ggtttgttca agaatactat aancaccttt 180

atgattcaac ctcggaagta cacaaattct atctcgagga tagtatgatt tcacggcctg 240

gtctcgatgg tgagatagtt actatcaaat ccttgaaagg gattaatgat cagataatgt 300

ccattgacta caaaagctca aggatcgaga ttctaactgc tgattctcaa tcaactttaa 360

agaatggtgt tgtaactcta agtcacgggt ttaagtgatc gggaacgatg gangaaagga 420

ggaaattttc ccaaaatttc cttccctgtg tcccgggatg ggaacctact tgtggctgaa 480

tgataacctt angtaagtgt cctgaag 507

<210> 5458
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F10

<400> 5458

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tcttcgtttc aagcttcttg acgaccgacg ctcttgcttg tcttcctgac cagatccaag 120

ctctaatcna attcaagaat gagtttgaat ctgacggctg caaccgcagt gactacttaa 180

acggagtcca gtgtgataac acgactggtg cggtcacgaa gcttcagctc ccaagtggtt 240

gcttcactgg aactctcaaa ccaaacagta gtctctttga gttgcatcag cttcgttacc 300

ttaatctctc tcacaacaac ttcacttcct cttcactccc ttctgaattc agcaatctca 360

ccagattaga ggttttgtct cttgcctcta gtanctttac tggtcaagtt ccttcctcaa 420

ttagtaacct tatcctgcta nccaattaaa cctttcccat aatgag 466

<210> 5459
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F12

<400> 5459

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tgctacctgg cttgctatta ttaaccaaga agagtccttg gctagagagc tttatcccga 120

gtcatgtcca cctctttctc tgtctggtgg aagttgctcg cttctgatga atgattgcag 180

tcaatacgat gttgaaggtt tcgagaagga gtctcactat gaagtggaag agctcaagcc 240

agaaaaagtt atgaattctt caaactttgg gatggttgct aaaatgcatg actttcctgt 300

caaagaagaa gtcccagcag gaaactcgga attcatgaga aagagaaagc caaacagaga 360

tctgaacact attatggaca gaaccgtttt cacctgcgag aatcttgggt gtgcgcacag 420

cgaaatcagc cggggatttc tggatangaa ttcgagagac aaccatcaac tgggcatgtc 480

cacatcngag acagtcgctt accgtatggg agca 514

<210> 5460
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F3

<400> 5460

antggtttgc ttgggcctgn cggtccggaa atcangggtc gacccacgcg tccgcaacnt 60

gttcctcatt ctccgcaaat caagcataga aagagactct tggagatcat ccaagtatcc 120

gattctcaga ccctaaaaat ataatgtcca tgaaagggat ctcatcagca gagtcagata 180

agctctctag gagaatatct ttgacccaca agcgcaattc cgaagagctt gacgtgtttg 240

aagctgccgt gtacttcggc tacaatgaag cctcctccgg tgaccatgga catacacaaa 300

agtatggcta taacgcagcg agagaggaga atccgaggag atggggaata ttaggaggtg 360

ggaagaagaa tcagcttgga ttttgcctat taagatgctc agaacaaagt gtaccatcct 420

tcaacaaaga ttatcatgaa gaagcacgaa agttncaaca atcaaaggag aagactttgg 480

taacgttaga cacaaagcaa accgagttna accaaggtgg ggaaa 525

<210> 5461
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F4

<400> 5461

tttgggnctg ccggtccgga natcangggt cgacccacgc gtccgcaanc ttctcttctc 60

tcttctcttc ttctctttag tcatctcaac caccatgagt caccagcagc cgccgagcta 120

tgccaccgag ccaaacacca tgttcgttca agcagacccc tctaatttcc gtaacatcgt 180

ccaaaagctc actggagcac cacccgatat ctcctcctca tccttctccg ccgtctcagc 240

cgcacaccag aagcttccat taactcccaa aaagccagcg ttcaaactcc acgaacggcg 300

tcaatcatca aagaaaatgg agcttaaggt caacaacatc acanacccta acgacgcttt 360

cagccatttc accgaggatt cctcgtctct cccgtctctc aactagaccc aatttggggc 420

gcgcgttaag ttcanattca agcgcgttga gggaacaacc aacgccgcaa accgggncaa 480

aggangagca aaaaagncaa tagcgggaaa aaaggg 516

<210> 5462

<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-F5

<400> 5462

acgcgtccgc ggacgcgtgg gtgaatttat attatgaatt tatattatgg ttttcactag 60

tgttagaaat acatgtttgc cattccattc ccaacnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn ntgtattctt ttttagttgt taataaaata natgtttcct taccaaactt 300

ttttttttt gcagatttta ccgncgagaa nagtaccaac gtccaagtan gtaaaggcgg 360

gagtaaacgt taacaaccat aaagggtaaa ccgggtagcn ggaaccgccc gttgaaacgt 420

tgggaaaggg aaggtttcgc cgtgggnaca 450

<210> 5463
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D8

<400> 5463

acgcgtccgc gatcttctcg attctccaat tccaaaccct aacattttga ttagtccttc 60

tgggttccca cagccttgag agattcggaa ccaatgatga tgcgtgctgt tataaggaga 120

gctgccagta atggctcttc tccttcgtta ttcgcaaaat cactgcagtc ttctcgtgtt 180

gctgcatctt cccctagctt gctatcaggt tcagaaacag gggcatatct gcatcgtgga 240

aatcatgctc atagctttca taaccttgct ttgccaggga actcgggcat ctcgaggtcg 300

gcgagtttag tttcttcaac cctgcaaaag atgggtcang ccttttcag ctgaaactgg 360

gagataccgt ggaaagcant tgtgcctcat atggggaatc aattactgat gggaacttgg 420

gcaccttctg agaaactggt gagagatcaa gntgat 456

<210> 5464

<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-B5

<400> 5464

acgcgtccgc ggacgcgtgg ggaagagaaa caacaanaag tantaatggc ttcctctatg 60

ctctcctccg ccgctgtggt tacatccccg gctcattgcc accatggtcg ctccattcac 120

cggcttgaag tcatccgctg cattcccggt cacccgcaan accaacangg acatcacttc 180

catcgcaagc aacgggggaa nagttagctg catgaangtg tggccaccaa ttggnaagaa 240

taagtttgng actctatctt acctccctga ccttagtgac gtcganttgg ctaangaant 300

tgactanctt ctccgcaaca agtggattcc ttgtgttgaa ttcganttan agcacggatt 360

tgtgtaccgt gaagcacnga aacactcccg gatactacga tggacngtan tgggcaatgt 420

nggaagcttc caatgtttcg gatgcaacga ctccgctcaa agt 463

<210> 5465
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-B7

<400> 5465

acgcgtccgg caaaaaagag agaaggagag gtcgtgttag ataattagag cgcacttgcg 60

agcaacaacg aacgacgacc cactgattca atctcctcct ctctgcatat tccttggcat 120

cttttctggt accgaagctg agtctctgga gagtttctag atcttcttca attctgcaat 180

tcagagcgaa gatttattag tgattgatta ttcactctgg agctcgagtt ctggatccgt 240

gtggctggag ggaatgttct gttaagctga ttgtttatgc ttgttggatc agtatagaaa 300

ttgtcagatt gagaaagaca acaaatgaag aacggtataa ctgagtgccc tgcatgtcat 360

tcaaaattgg tctctcctgg taacaaaact atttctaagg gctatgacga acacaaagan 420

taaggtatcc tcaaaacaac gttgtcctca atgtcct 457

<210> 5466

<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-B8

<400> 5466

acgcgtccgc ccangcgtcc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnngt ttccctcaca tcatcctcct cctccgcctg atgagttgtt tgacatttcg 180

actacagttg atcctagcta tcttatttca ctgataagga aactccttcc aattgattcg 240

ggaagtgacg aacgacataa tgatcatatg aatacggnta atgtggttca nggtgtagta 300

gctatatctg gaaatggggt tgttggagac ttccaatggt gatcaaagga gcatggacat 360

tggggataat catgatgaat ccacttntga ngtgggggggg ngacggttan ttcatgtcca 420

agcgccgggn aat 433

<210> 5467
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-C11

<400> 5467

acgcgtccgc ccangcgtcc gggcgtttga tttgagataa cgttcttctc caaaattgct 60

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tttgaaaacc ctatagagga tgcggtttcg aggctcagat tctcccctca atcaaacaat 180

ctcctcgttg cttcttggga ttcttatctg agattgtatg atgtggagag ctcttcgcta 240

agtcttgaat taaactctca agctgctctt cttgattgtt gtttcgagaa tgaatcaact 300

tcatttacct ctggttctga tggattcatc cgaaggtatg atttaaacgc tggaacagtt 360

gatacaattg gaaggcatga tgacatttca acatccattg tctactctta tgaaaaaggt 420

gaagttatct cgactgggtt tgatgagaag atnaaattct gg 462

<210> 5468

<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-C12

<400> 5468

acgcgtccgc acaaactcgc aagttactct ctcattcctc atcgtaccct ctttactcag 60

gtattttctg aagttaaaag atagaaataa tgtctgaaaa ggtgggagcg atgggtggta 120

acaagggtgg agcattcgac gatggtgttt ttgatggtgt gaagaaagta attgttggaa 180

aagacttcaa caatgtaact tatatcaagg ttgaatacga aaaggacgga aaattcgaaa 240

ttcgtgaaca cgggactaat cgcgggcagc taaaagagtt ttcagtggat tatcccgaat 300

gaatatatca cagccgttgg tggaagctac gacactgttt tcggttacgg atcagcgttg 360

atcaagtcat tactcttcaa aacctcttat gggaagaacc tctccaatcc ttggtcacac 420

gacattacta nggaatccaa ctgggaaaga attcatgctc gagtccaaa 469

<210> 5469
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-C5

<400> 5469

gntttggccg ggccctaccg gtccggaaat tcccgggtcg acccacgcgt ccgcccangc 60

gtccgtggag atctcttctg ggaatcgagc ttcactgtta aagattttcc ttcaatcggc 120

taaaaatgat acatttcgtg ttactagtca gtcgacaagg gaaagtaagg ctcaccaagt 180

ggtattcgcc gtatacgcag aaggaaagat ctaaggtcat acgtgaactc agtggagtga 240

ttctgaaccg aggtcccaag ctctgcaatt ttattgaatg gagaggatac aaggttgtct 300

acaaaagata tgcaagcttg tacttctgca tgtgcattga tgaggcggat aacgagttag 360

aggtactgga gataattcat cactacgtcg agattcttga ccgctacttt ggcagtgtgt 420

gtgaactcca tttgattttt aacttccaca aggcgtatat atactccatg agcgttgatc 480

ccggagaact tcaagagt 498

<210> 5470
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-C6

<400> 5470

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gcttgtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnntaa catcatgagc aaccaatcaa ttgagaaaac atcaaaatga 360

gtttccaaat ttgatgctca tgatgctata ctaaaaaccg atgggtttgg gcgtttgggc 420

ctttgacaat ttcantttga cgaataatga aaatggcttg ttg 463

<210> 5471
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-022-Q2-E1-C9

<400> 5471

acgcgtccga ttttctccga ttgaaatcgg atttcatctt agtttgcttt tctttgtttt 60

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ttattgccgg ttttttgata agatcttttg caagttgcaa atcaccactt ccaatcttgg 180

aagatgttta attccgggag agttttagat ggatctttgt tcattggatg cttgattttt 240

cttccatgtg aaggtaaatt cctcgctttg ctaataagag cgtaagggcg tcggttcttc 300

atgggtgata gatcaagatg tttgcggttg attggagagg agtatgaaga gttggggttc 360

acgtcgtgtt ttgatggtcc tccaaggatt attccaatcc tcatcaactg aaagtttaaa 420

tctccggtgg gcaaactaaa tccaaaaaat ctctcccgac g 461

<210> 5472
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D1

<400> 5472

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aagattaaca gagatctcca tggatttcac caaattagga ttcccagaan aagatgaaga 120

aattaaaaaa ttggagagat cgtggagtaa gctcnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn ngttttcgtt tgcttgtgta aacggagaan gatctccaat 240

taccgctgat gaagcttttg aagatggtca gatccgtcct gtgtttcctc tgtttaaccg 300

tgatcttctc ttcgagtacg aaaacgaaca tgacaaaaac gacaacgttt cggtcaccga 360

cgagaacaga ccgcgtcnta aaaaattatt tgttgaggat cgtaacggta acggtgaccg 420

ngaagagacg gaagggtcct gagaaagaac cgtttgggan cgt 463

<210> 5473
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D10

<400> 5473

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tgatttataa cctcctctct aataaaccac cacatcctct gaaaccctag cctgaacaac 120

tcgccgtctt ctcgagaaac atctttctta cttcgcttca ttacaagatc tgatgaaacc 180

agatcggatc ttgctctaga tccagatgct ccttaactta tttactcgaa ttcatcatca 240

tcgttatcat caccatgtca ctgtttctaa aagacgattc gattcaaatc cgtgaagtat 300

ggaacgacaa tctcgaatca gagatggctc tgattcgaga agtcgtagac gatttcccat 360

tcgtagcgat ggacacagag ttcccaggaa tcgtgtgtag accagtggga acattcaaaa 420

ccaacacaga gtaccactac gaaactctca aaacaaacgt caacatactc aagatgattc 480

agcttggnct cact 494

<210> 5474
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-022-Q2-E1-D2

<400> 5474

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ataaatactc tcagttcttc tcttctccaa gaacaaaaaa aaaaaatgaa ttcagaatcg 120

ctagaaaatc ttcaccgtcc attaatcgaa tcatcgaagt cgttcgtcga ttatcgtctc 180

gagactgtgt taacagatcg agagttaccg tattttcgcc ggatttatct agcgatgatg 240

attgagatga agtttctctt tcatctggcg gctccggcga tctttgttta cgtcatcaac 300

aacggcatgt caattcttac acgtatcttc gctggacacg taggaagctt cgaactcgcc 360

gccgcttcac ttggaaacag tggtttcaac atgttcacct atggacttct gcttgggaat 420

gggaagtgca gtggaaacat tatgtggtca agcacatgga gctcat 466

<210> 5475
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D4

<400> 5475

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tggttttagt tcaacttagt tgtagaagat gggatcaaat caaggttctt ccaggttaga 180

tacgttagag attaaagctc tcatttaccg ggaaattggg aatcaaagag ctgagagtta 240

cttcaatcag ctcggaagat tctttgcctt gaagatcacc aaatctgaat tcgacaagtt 300

gtgcatcaag accattggta gacaaaacat ccatcttcat aaccgtctta tacgttccat 360

catcaagaat gcttgtattg ccaaatctcc accatttata aaagaaangt gggaactttg 420

ttaaaatttg gaaaggggaa tcnaagaaga acagtcaaat tccagc 466

<210> 5476
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-D5

<400> 5476

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aattgacgat gccttcttcg ttctccaagc cggatttaga tccttcttct tcgcctccac 120

cgatttctcc tttatctcaa gacagctcgg aggctgagcg ccggcttcga gaagcggagg 180

agaggctacg cgatgccatg gcggagcttc agcgtagaca acgctctgcg gcgcgtggat 240

ctcacgcgga attgtgtgat cacgctgacg tttcttgcgt cgccaatgcc attgggaatt 300

tatgtcagag ctttcttctc tcttatggtg ttagagttgg gatcgggatt cntcttcgcg 360

cttttaagct cgctagggga caatcctant ccgctcntct cgatnttaag caacttgttt 420

caaagaaaga nttgatagtt anggaagaaa catgt 455

<210> 5477
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-B3

<400> 5477

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tcaagaccta ccgatgaaga gctcgtcaat cactanctcc gtctcaagat caacggacgt 120

cactccgatg tccgtgtcat ccctgatatc gatgtctgca aatgggaacc ttgggatctt 180

cctggttcgt ctctttattc tctcaaaatt tgattccttt tattctcaga ttctgttttc 240

cctctcaaag attccacctt ttttttcttt actcanttgg gaacaaatct gattgtcggc 300

agctctctcg gtgattaaga cggatgatcc anagtggttc tttttctgcn ctcgtgatcg 360

gaaatancct aatggncatc gctctancag agcaantgac tctggntatt ggnaagctac 420

tggtaaagat cgtancatca agtctaagaa gactttaatc ggtatgaaga agactcntgg 480

catccatcgt tggcnaactc ctaaaa 506

<210> 5478
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E1

<400> 5478

tgggnggtag agaacgtccn ccgtantacg gccntcattc cggaaccccc acgcgtccgg 60

naaattggcg aagaacaaag tttgaacctt ttcttcatcc atctctctcc gtcgcttctt 120

cctaacgatt ccttcactcg aatcaggttt gtgaaggttt tttctagggt ttcgaaaaga 180

tgccggcgac agcaggaaga gtgcgtatgc ccgcaaacaa tcgggtgcat agtagtgcag 240

cgcttcagac tcatggaata tggcagagtg cgattggtta tgatccttat gcaccaacta 300

atanagaaga gcctaagacg acacaacana naaccgaaga ttccgagaac tcgtacgcga 360

gttttcaggg acttttggct cttgctaagg atacgggttc naaatnacga tnaaggctcc 420

gttggntcct tgttaagaaa nttgttggcc gttgttgggg catttnga 468

<210> 5479
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E10

<400> 5479

acgcgtccgc acgattttaa tggcagttta acgggaacac ttctctctct ctctctagat 60

cccaaaactc aaaatcgttc ctttttgcaa aaattgttca tctttctgtt ttcccagaaa 120

tanggaaagc tctcttgatt tgcctttcct ggtattgagg aaatatgttt agatcatcac 180

cgagaagagg acagagatca aagggtttca aggtgaagca ttgtattcaa ttgactttgt 240

tgcttantgt tgggatatgg ttgctttanc aaagttaagc antctcatga agaaagaaag 300

ctcaatttgg aggaaangtg caaaagaatt ggtggttggg tgggggttga anaaaagntt 360

gtcnaagcct tgggnangga aaagatntta accccnccgg ggttggttta aggnttaaat 420

gaaaccctna agggnntnaa gggaattaaa aaaggttggt tanaaa 466

<210> 5480
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E11

<400> 5480

acncgtccgc ccacgcgtcc gctctgtttt ccttgttctc caagccagat ctctctccat 60

aaatctctct tcatctctct ctttccacca aacatccgcg atcctcgatt ctcanttccg 120

tgngntgttt ngtttcttca cttagcgatg gcgatgatag agcaaaggnc gaatacgaag 180

atcgtttgta ctctaggtcn agcttccaga tctgttccga tggtcgagaa nttcttangg 240

ctggtatgaa cgttgctcgt ttcaatttct ctcatggatc catgaatacc atcaagagac 300

tctcgatatc tcatcaagct atgcttaaca ctgggattcn ctgtgngtca tgctcnaaac 360

angggtcaag aaatccggaa cggggttctt gaaagntggg aaaacaa 407

<210> 5481
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E3

<400> 5481

acgcgtccgg aaacaagaaa acgaaaggaa aaaatacaga aatgggtggt ttgaagtttc 60

atgtacttat gtatccatgg ttcgcaacag gccatatgac cccgttcctt tttcttgcca 120

acaaattggc tgagaaaggt catacggtca ctttttttgat tcccaagaaa gctctgaaac 180

agttggaaaa tctcaatctg tttccacaca acattgtctt tcgctctgtc accgtccctc 240

atgtggatgg tctccccgtt ggcacagaga cagtctctga gattcccgtg acatcagctg 300

atctcttgat gtctgctatg gatccacacg tgatcaagtt gaaggtgtgt ccgagcnttg 360

aaccggactg atctccttga cttcgccaat ggattcaaaa gtaccanana cttggcctta 420

aactgtaant act 433

<210> 5482
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E4

<400> 5482

cncgtacggg ccgaaattcc cgggacgacc cacgcgtccg aaaaagagtt tgaaattcag 60

aattgtcatc ttttgtttcg atcggattcc ttattcgtgt atcttctccg attcgatggg 120

aattggctct catggcaatg gtaatcaaga ggtttcgcgt taatcaaaag gagtgaaacg 180

atggcgtttt gtatttggtg tttaagcaac ttcagttctt accgttttga gtgttgatca 240

tttgtttggc agagaactta aaaggttaga tctttcttct gaaatgattt cattattaat 300

tgtctgcttg tacttgaatc atgttaatta tgactgagct tttcttcttg aggatgagga 360

aatcgtaatg gctaatgcat acaatttgtc nactaaagat aattgaagtt gataatgcta 420

aacacgccac aagtatangt caatancata atgaatgttt tgtcacaaga aaganaatga 480

ctt 483

<210> 5483
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E7

<400> 5483

acttcatcta tggcttcttc ttctctgcag tctctcttct ctctgttttg ccttgctctg 60

ttctctcttc ctctcatcgt ctcctccatc ggcatcaact atggccaggt cgctaacaac 120

cttcctcccc ctaaaaacgt catccctctc ctcaagtctg tgggagctac aaaagtcaag 180

ctctatgacg ccgatccaca agccctacgt gccttcgccg gctccggctt cgagctcacc 240

gtggccctcg gtaacgagta cctggctcag atgagcnacc ctattaaagc ccaaggctgg 300

gtgaaggaga acgtccaagc ttacctccca aacaccaaga tcgtggccat cgtagtggga 360

aacgaagtct canctcanac cagtcagccc tcacgggaag ccctcttccc ggctatgcaa 420

aagcatccaa nggtgctctn gtggaattgt gg 452

<210> 5484
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-E9

<400> 5484

acgcgtccgc ccacgcgtcc gcgagattct acaaatggtt caccgagggg aatgacagag 60

gagaatggct taagaacttg aagtatggag tgtttggatt aggaaacaga caatatgagc 120

attttaatan ggttgccaaa gttgtagatg acattcttgt cgaacaaggt gcacagcgtc 180

ttgtacaagt tggtcttgga gatgatgacc agtgtattga agatgacttt accgcttggc 240

gagaagcatt gtggcccgag cttgatacaa tactgaggga agaaggggat acagctgttg 300

ccacaccata cactgcagct gtgttagaat acagagtttc tattcacgac tctgaagaat 360

ccaaattcaa tgatataaac atggcaaatg ggaatgggta cactgtgttg atcccaacat 420

ccttacaanc aaatgtcctg tttaaaagg 449

<210> 5485
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-F10

<400> 5485

tncccgggtc cacccaaacg tccgcacacg cgtccgaaaa taagcacaca ccattatcca 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn ggttacgggt caatcgaact cggaagtcat ggctatggcc acaagggtgt 180

tggctcaatc gactccaccg tctttagctt gttacnagag gantgttcct tcacgtggat 240

ctggaagatc gagaagatcg gtganaatga tgtgtagtca gttacaagtg tctggtttaa 300

gaatgcaagg gtttatggga ttacgtggta ncaatgcttt agacactctt ggnaaaagnc 360

gtcaagattt tcattcgang gtgcgacagg cantgaatgt gcccangggg aaagctagcc 420

ggtttacggt gaaagcantg tttgngagat tacgggggaa aagctatc 468

<210> 5486
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-F2

<400> 5486

gtggggaang tcccccgcaa ttacggncca ngttcccggg nccncccacg cgtccgaaaa 60

ggaaaaaaga caaatcaaag agagacgatt cgatcgcatc aatggcagaa gaaaagagct 120

tcaagtatgt gatcgtcgga ggtggtgtcg ccgccggata cgcggcgaga gagttcttca 180

accaaggtgt caagcctggt gaacttgcta tcatttccag ggaacaagtt cctccatatg 240

agcgtcctgc acttagcaag ggatatatcc acctcgaaaa taaagctaca cttccgaatt 300

tctatgttgc tgctggaatt gggggagaga gacagttccc tcaatggtac aaagagaaag 360

gtattgaagc tgattttggg cacaganatt gtcnaagcag atntttgctg cnaagacact 420

ntcngttggg aactgggacc aagtcctcaa gttnncaaaa ctttggctag cnncnaactg 480

gttccttcng tccntaangg ttgttcagaa tttttg 516

<210> 5487
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-F4

<400> 5487

acgttccagc cttagcgggc cgaaatcccg ggncnaccca cgcgtccgca atttttgagt 60

tagccaagtg ctcaagggag atacataata cctgaagatg tccaaggcaa gtgatgccgt 120

cagagaacca ttggtggaca agaatatggc tggatcaaaa ccagaccagc cgtggatggt 180

ttatctcagc acattcgttg cggtctgtgg ttcttttgcg ttcggttctt gtgcgggata 240

ctcttcacct gctcaggctg caattaggaa tgacctttca ttgactatag ctgagttttc 300

actctttggt tctttactaa cttttggcgc aatgatcggt gctataacaa gcgggcctat 360

agctgattta gttggaagaa agggggcgat gagagtttcc tctgcatttt gtgtatccgg 420

tggctaacaa tcatccttgc caaaggagta ntggctccgg ancntggaag actggcaacn 480

ggatatgg 488

<210> 5488
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-F9

<400> 5488

acncgtccga aggattcgaa gctggttgtt tcccaatctg cataagaaat atcgaaacac 60

ttccacacaa aatccacgcg ctctctcacg ctcactcact cgcataacac ttgttccttc 120

ttcnctcaat ttcaaaaaac gacgatcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng aatttgtctt tgtgatttga 240

gtgttataga ataaagatct gtttggagtg gatccattca agtaattgaa gaactcaacg 300

canaanatgg cttcaatatc gcattcatca ctagctttag gagggagctt cttcngcttc 360

tgctcaagat taactngcgt tattccgagc aatgggtggt aatggggtan caatngaaaa 420

cttaanggag aacaagtggt tactaacaat caaggagg 458

<210> 5489
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-G1

<400> 5489

acgcgtccgc taaaaactcc tcctttcatt tccaaacaaa aacttctttt tattctcaca 60

tcttaaagat ctctctcatg gcgatgtctt tctcaggagc tgttctcact ggtatggctt 120

cttctttcca cagcggagcc aagcagagca gcttcggcgc tgtcagagtc ggccagaaaa 180

ctcagttcgt cgtcgtttct caacgcaaga agtcgttgat ctacgccgct aaaggtgacg 240

gnaacatcct cgatgacctc aacgagggca caaagaaagc ttcagatttc gtgacgggat 300

aaaacaaaag angcattagc aaatgggtga agaaagcgaa agactacgtt gntgaaaaaa 360

acagtgaaac cgcagataca ttgggtaaaa gaactganaa agtgcngngt atgttggagg 420

agaaaggaaa agaagcccaa acaaggngga a 451

<210> 5490
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-G6

<400> 5490

aatgttcgcn tggcctttag cntgccgaac cggtccgnaa ttcccgggtc gacccacgcg 60

tccgcgattt cgccgggaac ggagaagaaa accctagata tggcggagaa gcttgcgcca 120

gagaagagac acgatttcat tcacaatggt caaaaggtat ttgagtggga tcaaaccctg 180

gaagaagtga acatgtacat aactttgccg ccaaatgttc atccaaagtc attccactgc 240

aaaatccagt cgaaacatat cgaagttggc atcaaaggca accctcccta tctcaatcac 300

gatcttagtg ctcctgtgaa gactgattgc tcgttctgga ctctanagga tgatataatg 360

cacattaccc tgcagaagan gganaaaggg caaacatggg catcaacgat tctgggacaa 420

ggtcagttan attcctacgc cactgatctt tancaaaanc cggtcaagcc caaaaggttc 480

aaagaan 487

<210> 5491
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-020-Q1-E1-D6

<400> 5491

acgcgtccgc gtcgccgcaa caatatcttt tgctttctct ctcattcttc accagtaaca 60

agcccatctc tcgattcttc actctcaagg aaggagacgt tttgaaaatc agaaatggtg 120

aagatatgct gcataggagc tggttatgtg ggtggtccaa ccatggcggt gatggctctt 180

aagtgtcctg agattgaagt agtcgttgtg gatatctctg aaccaaggat caatgcttgg 240

aacagtgata ggcttcctat ttacgagccg ggattggaag atgtggtgaa acaatgcaga 300

gggaaaaacc tcttctttag cacagacgtg gagaaacatg tatttgagag tgatattgta 360

tttgtctcag ttaacactcc aaccaaaaca caaggtcctg gtgctggcaa aagctgctga 420

tcttacttac tgggagagtg ctgctcc 447

<210> 5492
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B9

<400> 5492

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ttcagagatt atcctccctt cttttctcat cttacaagga agttgggcag ttaaagctgc 120

tgggatcacc agttttgtca aaagtggagt gtgaagaatc ttttatgtct gaacaggctt 180

ctctctttca atcatctatc cggcttttag gagagtactg tcctatatct aggaaaaagt 240

ccactcataa agttggtggt ttgcgttttg aggaggacat cacgagctgt attggatttc 300

agtttatgca actgagtgat tatcactgcc tcttctgaca tcccttgttt gtttacgttt 360

gttgaatcaa gatggctttg caaaacattg gtgcctccaa ccgcgatgat gccttttaaa 420

ggtaaaagat ccangggatg atgacca 447

<210> 5493
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C1

<400> 5493

gnccgacatt cccggaacca cccacgcgtc cggcgttcgt tgtgaaacca tagatccagg 60

tgaattctgg aaaacatctt gaagcgaaat cgagacatcg ttggaggatc aaaacgttaa 120

ttcgattgat cgatgaatcc tagaagggag cctcgtggtg gtagaagttc tctctttgat 180

ggcatcgaag agggaggaat tagagctgct tcttcttact ctcatgagat caatgaacat 240

gagaatgagc gtgccttgga gggattgcna gatagagtca ttctcttaaa acgactatct 300

ggcgatataa atgaagagtc gatactcata accgcatgct tgacanaatg ggcaatgata 360

tggattcatc aaggggggaat tctcctccag gaaaccatgg aaccgccttt aaaccggtgt 420

tttgagaaca aantccaagn ccnaaagaaa tgctgaacgc cccgttggcc accntttgtt 480

tggggttaat tcc 493

<210> 5494
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C10

<400> 5494

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gatacacatt cactctaaca tttgctgtcc aagggcttgt aaacacgttt ggagatctac 120

gtgggacttt tgctgctatt gacaggatca attccatttt aaacgcggtg gacatagatg 180

aggctcttgc ctacgggtta gaaagagata tacatacaaa gaaagtccaa gatgaaaacc 240

ttaaattgtt cttgtctgct ggcccaaatg tgaatatccg tcacctcgat aagtactaca 300

tgtcaaatct gaaatcaact aacaatctac gtaccctaaa catgggctgg gagatgtctg 360

tcntgatgat gtgcattttg cttaacctct aagaacccga cgtgaaagtt cntgatgggc 420

tgantttgac ttnaattctg gtactgtaac tgc 453

<210> 5495
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C3

<400> 5495

acgcgtccgc ccacgcgtcc gcgataagca aagtagaaaa cacaagtttc tctcacacac 60

attatctctt tctctattac caccactcat tcataacaga aacccaccaa aaaataaaaa 120

gagagacttt tcactctggg gagagagctc aagttctaat ggcgaacttg gtcttatcag 180

aatgtggtat acgacctctc cccagaatct acacaacacc cagatccaat ttccnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn cgaaatgggt tcacgaagga antgggcgtt gaatgtgaag 360

cacaacaatt acgacacaat attgagggag tcnccaatgg ngggagatta ttaacagnga 420

tcnattcaag tgcgcctcct ccgttcaant tagc 454

<210> 5496
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C4

<400> 5496

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ggaattggag gtttctgtag atcggaaaac acttgttgtt ctctctctcg attcatccca 120

aagcaagatt cttggatctg cctcttaaga tcgatcggtg cttttgtatc ctcaggtatg 180

tgttgatact tgatcgtatc tatctacaga gattaatcgt atcgtagtct gatttggtag 240

atttggaatt gggaatcgag aagtttaaaa atggaggagg atagagagaa tgcaaaagag 300

agtagtgttt gtaactgtan gaacaacgaa gtttcgatgc tcttgtgaaa gcagtggtta 360

gtcaaaatgt taaagacgaa ctgcagaaga gaggattact catcctccta atcaaatggg 420

tccaagaatc cttttcccaa ctaaatgtga tgg 453

<210> 5497
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C6

<400> 5497

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atatttcaaa ttgtgtcacc gtcactctta ctgccaagaa ctatattctc tggaaatctc 120

agttcgaatc ttttcttgat ggtcaagggc ttctgggttt tgtcacaggc tcgattcctg 180

caccaagcca aaccagcgtt gtttcagaca ttgatgggtc aacatcggct tcacccaatc 240

ctgagtacta cacctggttc aagacagatc gagttgtcaa atcctggctc cttggttctt 300

tcttagaaga tattctcagt gttgtggtca actgcaacac ttctcatgag gtatggatct 360

ctgtagcaaa ccactttaat anggtttcct cctctangtt atttgagctg caaagacgcc 420

tccaaaatgt tagcaaacgt gataaa 446

<210> 5498
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C8

<400> 5498

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caaactcatt ttccgatcaa acggcatatt tttccctctc gagagagcga taatgtggaa 120

actgaagatc gcggaaggag gtagtccatg gcttagaacc accaataatc acgtcggaag 180

acagttttgg gagttcgatc cgaatctcgg tactcctgag gatctcgccg ccgtcgaaga 240

agctaggaag tctttttcgg ataatcgatt cgtgcagaaa catagcgccg atctgcttat 300

gcgccttcag ttttcaagag aaaatttgat tagcccagtt ttacctcaag tcaaaatcga 360

agacactgat gatgttacag angagatggt ggaaaccacg ttaaagaagg gtcnaaattt 420

ccaatcaact atacangcac acgacgg 447

<210> 5499
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-C9

<400> 5499

acgcgtccgc caggtcgcac acactaaaat ggcgttccgc gttttgctcc tcttctcact 60

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cgtngacgan gaggatctca gcttcctcga agatctcaaa gaagacgacg ttcccggcgc 180

tgactcactc tcttcctcaa ctggatttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttttt tccgatctag gtaatccgga 300

ttccgatccg ttaccgacgc cgganattga tganaaagac gtttgtggtt atcaaaggga 360

gcgttacttc actgatgtga ttgagaataa tcaatacgtt ttgggttaat tttaancccc 420

ctngtgtggt caattgcaat ccccttgntc ctgaata 457

<210> 5500
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-D10

<400> 5500

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tctctctcct tcacacacac agatacacat ggccatcgcg agcgggtcat gggtagccac 120

tgtgaaccac catgctaatc cccacagctt cacttctccg accaaaccca ttttctttct 180

ttctcaaaag cctcacaatt tccatgtctg ctcgtctcga tgctctatgg ttcttgagga 240

agatgaaaag aagtcaccga gtcctaaaag aaagacaagt gggcattttt tgacctgggc 300

ccgaatgaac ttaaacgggt cctaaccaag tttctccgaa naccgggaaa ctcgggaact 360

tcctccgaat tctacgaaaa agctaangng aactccgagt tnaagaacga acaagcatcc 420

gataagttac ttngtgagtt tcaagaattg ggactt 456

<210> 5501
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-D2

<400> 5501

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ctaccaatcg catctctttc tctgaccttg ttcccatcct cgactcaatt tctcaaattg 180

tttgctcatc atccaaacaa ggttaagatc cctacgcagg cttcttctct cactcatctc 240

tctctttctt ctgtctctcc ttttccttct tccagaatct ctttcaaatc caccatcgct 300

gctaaccctc ttcaatcccc tctctccatc gtccctcgtc gtcccgttga tccttcctcc 360

gccgccgctc tccgccgtgc tgctgtcgtc tggtttcgca atgacctccg tgtccacgac 420

aacgagtgtc tcaactccgg caacgaagaa tgcgtctccg ttttgcccgt ttant 475

<210> 5502
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-D3

<400> 5502

cccggancca cccacgcgtc cggttctcaa aacgatgaaa gtagcggaga agattgtttt 60

cctctggaat gattccgatg gatttgctgc aaccatttct gatactttaa accctagccc 120

tagttcccct cttcgcaaac tagaagaaca gatccagctt ccgttggata agtatggcgt 180

tgaaggtgtg gaaaccggcg ggagtatcgt tcatttcgta gatgaaaatg aagtttatca 240

ggtctcgatt tttcttcttc gaagttatga gcctccagta ctagtgtgtg ctatgaatga 300

actgctggac ctaattacaa ggggatcgtc aactctaccc acaatcatag ctcccttcct 360

tgtgggcggc atctaanctc aagttcaata acagattcct gggaagcaaa ttacaagaaa 420

gccaagtcct caatacgttc aagttgcaca gaaacanag 459

<210> 5503
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-D4

<400> 5503

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ttaaaaaact ccagagctga ttcgattctc gagaagaaac taagccgaca ataaagttca 120

gatctgaaaa aaagcgagct ccagattaca aaaagaaaca gctcgttttt ttcactttca 180

aaaaaatgga agctttgagg atttatctat ggagtctctg tctctctctg tgtttgatta 240

tctatggagc aaactcagat ccattagaag acaaacgcgc attgcttgag tttcttacca 300

ttatgcaacc aactcgttca ctcaactggg aacgagactc tcaagtctgc aacatctggg 360

accggagtta cttgtaatca agacggattt cgaatcataa ccgttagatt aacaagcgtt 420

ggactcaatg ggcaaantcc tccaaacact atnagcaaga ctcccaagct c 471

<210> 5504
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-D5

<400> 5504

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gctctcgcct ctcggtgtcc ttgtatacag tacttcagtt ttccgatctc tttcagattc 120

tgttgccaaa cttcatataa acttagtgag cggaactgga tttggggaga atggcttctt 180

ctttagctca atctagaatc tcgaatctcc agaatcatct ttcacctctt gaagcaaaca 240

acaagctcag gagtctggtc aagatttctc cccaagtatc tgaagccttg tctaatggac 300

gtgctgttgt cgctcttgag tcaaccatta tctcccatgg gatgccttac cctcaaaatc 360

tgcaaacagc aaaagangtg gagtcaattg tganagaaaa tggaagcaat ccctgcaaca 420

anttgctatc cttaaatgga atnncntgca aaagtctgaa ccaagaaagn actaagaacg 480

tcntgcatct ctcg 494

<210> 5505
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B7

<400> 5505

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ctggttcaga attttagatc caagagagat ttttacaatg gtgctattgg tggttttgtc 120

gctggagctt ctgtgcttgg ctatagagca aggagcatcc cgacagcgat agctgcaggt 180

gcaacactag ctgttacctc tgctttgatt gattctggag gtcagaccac aagagtagac 240

aatggcagag aatactatcc ttacaccgtc gagaaaagag ctgaagctga ttcctgattt 300

ctcttttggt cactgagatt aataagatgt gcattcgctg atccggggat cttgagataa 360

tctcttttgt ttattttatc tggatatgtg atatcatgat actctttgct ctgttcttct 420

tgtttcntga nagcgacttc tcacatcttt gtcgaatgtt cctgcaataa aaatca 476

<210> 5506
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-G7

<400> 5506

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ggaagaggac gctcgtgtcc gttttgttcc ttttctcgct tctgtttctt cttccagatc 120

aaggaagaaa gttacacgcg aatgcagaag agagttccga tgatgttaca gatccaccaa 180

aagttgagga gaaaattggt ggtcacggtg gtttatcgac ggattccgat gtagttcata 240

gagagtctga gtcgatgtca aagaagacgc ttcgcagtaa cgcggagaag tttgagttcc 300

aagctgaggt ttctcggctt atggacatta ttatcaactc tctatacagt aacaaggaca 360

ttttcttaag agagttgatc tccaatgctt ctgatgcctt ggacaaaatt angttccttg 420

cactcactga caaagacttt tgggttaaag tgacac 456

<210> 5507
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-019-Q1-E1-G9

<400> 5507

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cttgcatttt ccccagaatt ccttcacatt ctctcctttt cctcttttta attcctcacc 120

acctcaaatt cttcataaac aaatccactt ctgcatggtt gggagaatct gttagagaat 180

ttttgttgtt gttgggttca gatttggaaa atttcctttt tttcgagttt cttctgaatt 240

attcatcgtg gagattctcg gatcgggaag ggctgcgaga ggtggttttc acggcgggga 300

tagattcatc ttctgtcttc tcctgaaggg ggtagccgag gcccgggcct cggcgggttt 360

taaaacccca accttaaaaa atccgggaaa at 392

<210> 5508
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-H1

<400> 5508

aagcgtccgg taaaccgaaa gcanagactg agagaaccaa ggctccgatc taacaatgag 60

gaagaggacg ctcgtgtccg ttttgttcct tttctcgctt ctgtttcttc ttccagatga 120

aggaagaang ttacacgcga atgcagaaga gagttccgat gatgttacag atccaccaaa 180

agttgaggag aaaattggtg gtcacggtgg tttatcgacg gattccgatg tagttcatag 240

agagtctgag tcgatgtcaa agaagacgct tcgcagtaac gcggagaagt ttgagttcca 300

agctgaggtt tctcggctta tggacattat tatcaactct ctatacagta acaaggacat 360

tttcttaaga gagttgatct ccantgcttc tgatgccttg gacaaaatta ngttccttgc 420

actcactgac anagacgttt tgggtgaagg tgacactg 458

<210> 5509
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-H2

<400> 5509

aatggtttgc ctgggccggt ntcgccggca ctnccggggt cganaacacg cgtccggnga 60

agagactata aaagtatacg atctcctcct ctcgctctct tcagatcaca aagttttcgt 120

ttttagggtt ctctcatcga tctcggtttg tgatcttctt cttcatcaat ggcgtctagt 180

gataancaaa caagcccaaa gcctcctcct tcaccgtctc ctctccgtaa ttccaagttt 240

tgtcagtcaa atatgaggat tttgatctca ggaggagctg gattcattgg ttctcacctt 300

gttgataagc tgatggaaaa cgaaaagaat gaggtgattg ttgctgataa ctatttcact 360

ggttcaaagg acaaccttaa gaagtggatt ggtcatccaa gatttgagct tatccgtcac 420

gatgtcacgg gagccacttt tgattgaagt tgatnaagat ttaccatcct tgcatgtcct 480

gcttcctccc taacctctac aagtacaanc cctgtgaaaa a 521

<210> 5510
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-H5

<400> 5510

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ttcctcttct ttaaattgga tgttttgggc aagaaacaga gagaaacacg ttaatttgag 120

agtttgtcat tgaatatttg gtttgcaatg gaaagagatt ttctgggttt gagcgacaag 180

cagtatctaa gtaataacgt taagcatgag gttaacgatg atgctgtcga agaacgaggg 240

ttaagtacga aggcagctag agaatggggg aagtcaaagg tttttgctac ttcaagtttc 300

atgccttctt cagatttcca ggaggctaan gcgtttccgg gtgcatacca gtggggatca 360

gtttctgcgg ccaatgtttt ccgcagatgc caatttgggt ggtgcgtttc aaaacgcaac 420

ccgcctttac tnagcggtca atttccttta caacc 455

<210> 5511
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-H6

<400> 5511

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ccgtttcgta cctccgtcaa tctgccgtta cctctccacc tccgattttc tccgccgccg 120

cttcaaccgt tcgccagttc acttccgccg gctatccttc caacagtttt caattgacgc 180

cgccgacgaa ttggggaatc cggatagttc cggagaggaa ggcgtttgtg attgagcgat 240

tcggtaaata cgctacgacg ttgccgtcgg ggattcattt cctcattccg ttcgtggatc 300

gtattgctta tgttcattct ctcaaggaag aagctatccc gattccgaat cagactgcga 360

ttactaaaga caacgttagt atccacatcg atggtgttct ctacgttaag attgtggatc 420

ctaagttagc ttcttatggc gttgagagtc ctatc 455

<210> 5512
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-A1

<400> 5512

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aaagatgaaa gctttctacg tattcgttgt tgctcttctt ctcaccttga attatagggg 120

agaagcaagt ggttctgttt tcttcattga tggatccaac aatcaatatc ttcgtccacg 180

atcatccagt gaggcacttc ccatgtcgcc tgttgaaata tctgcagcag tgtctgcctt 240

gttgggtttt gcaccttcag caactttgac aagctgatgg ctcatccaag ttgaacaaag 300

atctaaaacc taatccattt ganaagcctc gccgctgctt tgtgctaaaa atccccggan 360

ctggatgata atgcctttgg gaaactcccc taatcaatcc ttcctggggc aatggcataa 420

aggagcaant attaagttct gaatcgtaca aaagctgata c 461

<210> 5513
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-A10

<400> 5513

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ttctacctga gatagatggc gaagttccga caaatgggtt catcaatctt cttcctcttt 120

cttancataa tctcattatg ttccgcccac aaagaagcgt tttcttcaac tgatcttgtt 180

caaatggagt gcttgagagt cccaccgtta gagtttgctg aagcggccaa aaccgtcgtc 240

gacgctataa caaaagcngg tagcaatagt tttcaaagtt ccacnaagaa aagcngggaa 300

ttcncaagtc tcaatnccaa tggttgaatt ggtgtttgat tctccttgat tcctggcggc 360

cgaaagaacc ttccttggga ttaatcctct gcctctcaat cccccaaacg ggttaagaca 420

attaccncaa ggaanacgtt gggttcgggt tcaaagggac attggaataa nccccc 476

<210> 5514
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-A11

<400> 5514

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tcactcaccg cacttctcat cttctccgcc gtttctcctt ctttcgccgc ttcnncctcc 120

gaggacgttg acgatnagga tctcagcttc ctcgaagatn tcanagaaga cgannttccc 180

ggcgctgact cactctcttc ctcaactgga tttnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttttttccga tctaggtant 300

ccggattccg atccgttncc gacgccggag attgatgaga aagacgttgt ggttatcaag 360

gagcgtnact tcactgatgt gattgaggaa taatcgtaac ttttgggtna gttttatgct 420

ncnttgtgtg ggtcagttgn agt 443

<210> 5515
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B1

<400> 5515

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tactcaaaga tcatccccat cggagaatct tctcctccat aggaaaatgt cgtctaattc 180

cctgaggcat gtcgagtcca tgtcccagct accctcaggt gccggaaaga tctctcaatt 240

aaacgccgtc gtgttaggag aatcccttgc atcggaggag aatgatctcg tctttcccag 300

caaggaattc tccggccagg ctcttgtttc ctcccctcaa cagtacatgg aaaatgcata 360

anaagtccaa tggatgaacc tgctgccttt tgggtctgaa aatgcctctg aattttactg 420

gaaacanaaa tggggtgacc aagtgttttc cgagaatctc caa 463

<210> 5516
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B2

<400> 5516

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aagaaaggag tgaaggtagc tgctaagaag aagaccgcgg agaaagtttc aaaccctcta 120

ttcgagagga ggcctaagca attcggtatt ggtggagctt tacctcctaa gaaggatctc 180

tctcgctaca tcaaatggcc caaatccatc cgtcttcaaa ggcaaaagag gatcctgaag 240

cagaggttga aggtccctcc agctcttaac caattcacca agactcttga caagaatctt 300

gctaccagcc tcttcaaggt ccttctgaag tacaggccan aagacaaagc tgccaagaan 360

gagcgtcttg taaagaaagg ccaagctgaa actganggaa agcttctgag tctaagaagc 420

ccantgtagt caaatacggg ctcaancatg 450

<210> 5517
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B3

<400> 5517

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gcatcctaat catgatatct gttgtaatca tcactgagtt acttttggag tacacgacgg 120

ctcttgctaa actcaccgcc ggggttcttc cgagacggna aggcgacaga aatgttatac 180

gtattggcgg tttctctctg ccttgtcctc ctagatnctc acctgttcca gatttttctt 240

ctcatcttgt cgatttctga actctgcgct acgccttaat ctcaattttg ggttttcacc 300

ggagattatg actgccaaga ctttttttccc ggcgtctgat ctctccgtct gtagaatanc 360

ttttttggat ttccctaaaa ttttttggtt tggtncccgn aattttgaan nggctcanaa 420

gttgttaaaa gaatgtttcc gaant 445

<210> 5518
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-B6

<400> 5518

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tcaccttgcc ttttctccaa agccctaatt gatttttctt nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnngcctct ctttgtggag tttttgaaat catccctcat ttcattccta ttttcgttgt 240

ctctttgagt ttgagtcagc tttgtgttgt gtctaaattc taaacaagtt tcagatcttt 300

accttccttt gacttgtctc ctgtcttaaa actagggttt aattttcttt ctctgttcaa 360

gtctcagatt tgaccagctt ggtccagaat ttcgcttctc ctcgatcata aatcaaagtt 420

gattcaaaga ggtttgattg agtcagagat ctctctttta gaaacatgtt gaagcaaatg 480

aag 483

<210> 5519
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-G6

<400> 5519

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tcgccnaaga tgatgccgtc gccaccgtnc gcgaggcttt ccgtctcggt atcaacttct 180

tcgacacctc cccgtattat ggaggaacac tgtctgagaa aatgcttggt aanggacnaa 240

angctttgca agtccctaga agtgactaca ttgtggctac taaatgtggt agatataaag 300

aaggttttga tttcagtgct gagagagtaa gaaagagtat tgacgagagc ttggagangc 360

ttcagcttga ttatgttgac atacttcatt gccatgacat tganttcggg tctcttgatn 420

aagattgtna gttaaacatt cctgctcttc agaaactg 458

<210> 5520
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-B4

<400> 5520

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tatcgacaat cctacacaaa tccataatca tggccgccac tgcttcctcc gaagcttctg 180

aaggaccagt gatgggtctc atcaacaagc gtctccgtgc tctccgtaag aaatacaacc 240

gaatcactca aatggaagaa tcgatttctc aaggcaaaac cctaaacaag gagcaaagaa 300

agaagtcctc cggctctaaa actgccgtcg tcatcctaaa tcgacgaagc ttgaaaagat 360

tcgtggcccc tctctcngcc gncnttannn naaggaaatn aagcctcgct aatcaagctt 420

aaaccgtggc ttcatccgga tttaaaccaa cggcatctga ancaaaaagg gaaagtcact 480

gaatatcccc gcaag 495

<210> 5521
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-B9

<400> 5521

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tactcctttg cccagagaga tgacattgaa gtgcttgatg agccattata cgctgcgttc 180

ctcaagtcta cgggtgttga taggccttac aaagatgagc ttctctctaa gatggagtgt 240

gatggagaaa aggtggtgaa ggatatcatt tatggtccag gaaagaagaa atataggttt 300

tgtaagcata tatcgaaaca gcgacttctt ggtttgccaa gtgaactaat gagtgaaggg 360

aagcacttta tattgatacg caatcccctc aacatattgc cttcttttga gaagatacac 420

ccttcatcgt ttcacgaatt gggactggga nagt 454

<210> 5522
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-C2

<400> 5522

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntgt cttgctccgt cgccgtatgt 180

aattctccgg tgttttcacc gtcgtcttct ctattctgca acaaatcttc gattctctcg 240

tcaccgcaag aatctctttc tctaacgctt tctcatcgca aacctcagac ctcttctcct 300

tcctctccat ccaccaacgt ttcttctcct aaatctccaa ttcgtctccg ttccaaaaaa 360

ctccgtcggg gattggcccc nggnccaata acctttggnt ttgaatccgg ttctgnatcc 420

tctcctccgg ggaggtgttt taaagaggaa acgacctaca aggcttgata tacc 474

<210> 5523
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-D1

<400> 5523

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aaaaccctct caaaaattcc aaaacataat ctcatttctc aagtttaaca ttttcgagcc 120

cctttagaac agtggagaaa gatccacaca gataaaaaaa cgggtgagtt ttatatcaaa 180

tagacgaaaa tgcccctgtc ggcgacggcg gatacaagca agacggtgaa gctggagagg 240

tacaatagct acctccggaa gattcacagc accaaagttc tcaacgcttc ttctaaagtt 300

cttttccgag caacgcttct cgtagctctt gtcctcgtcc tcatcttcgg ccatcaacta 360

ncctccactc tccgatagcc gcgccgccgc aancaaaccn accttccacn gtcgtancnt 420

ccttacccaa cgggannnnn nnnnnnnnnn nnnnnnnnnn nnnnancggt gganccgcgt 480

gggaaaagcg cgttaggacn atcctcaaca gncaaacgac 520

<210> 5524
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-D12

<400> 5524

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aaaaccaccg gcatcgcctg atggggagaa ctaaggagca ggcaacatta actcggtatc 120

caccctgtcc taggaatcct gctaaattca atgatataaa caaagcactc caggaaaaag 180

gatatggtaa ggctctgaaa agaaaacctt ggacgggtgt gacatgccct gtctgtcttg 240

aggttcctca caactcggtc gtcctccttt gttcatctta ccacaaagga tgccgtccgt 300

acatgtgtgc cacgggaaac cgtttctcaa attgtctaga gcagtacaaa aaggcatatg 360

ccaaaggatg aagaaaagtg acaaaccgcc aganctattg tgcccgcttt tgtaaggggt 420

canggtaaaa ggctgga 437

<210> 5525
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-D2

<400> 5525

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catttcgtct cctcgttctt attcacgacc agcgatttca atcttcggtg tcttcctctt 180

gtttcttctg gttttaacac taagctctcg aaaaccatca gattcatcct ccggtttagc 240

tccaaatcga aacttancca caaaatcgac gattccgagg tttgcgtaat tgggaaacgg 300

gaaccaaagg agatgggaaa cgaatgaanc gggctgcnta aancaataca tcaatcggag 360

aaaattncna ncngnctcaa tttggatttc naaacctccn aanaaaaaca aaantganct 420

ngcgaaanta tgtgagattg ggagaaaaaa gaagtttgan gaatgttaan ggtaatgggg 480

ttt 483

<210> 5526
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-D3

<400> 5526

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aaaaagcgag atttccttct ttcgattctt ttttctcaat ctggttttca gtcttcggat 120

tcaatggcgt ctggatcttc gggtcgggtc aactcaggat ccaaaggttt cgattttggc 180

tccgatgata tcctttgctc ttatgatgac tacaccaacc aagactcctc taatggtcct 240

cactccgatc ctgcgatcgc tgcttccaac tccaacaagg aattccataa aacaaggatg 300

gcaaggtctt cggttttccc tacaangctc ttacangtcc ancagaggat tcnttgancc 360

angacattag nngacactgg tcnaaaggnc cannaaagaa tgtttgccgg anaaanatga 420

ngcgcctttc ctgaagggct caagttcang cntgtctcan cttgaactct aatgct 476

<210> 5527
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-E1

<400> 5527

ttcggnccgc cgacggtcaa agaatcccgg gncgacccac gcgtccgcgc atccactccc 60

tttcaatcta actaccaaat atatattcca tgtgttattg ctatcgttat cttatgtgcg 120

gctaagatta cttctaagat gatcaactac aaattaaagt cgcgaatatc taaggtaatt 180

cagttatttg ctagctatat gaatatttct gaaattttat atatacggtt agatttagtg 240

tgtgcatgga tctaatccgt ctagtccatg atctagtgtg tacaaatcaa ccaaaagaat 300

gaaaccacca ctactatagt attttaatct attgtgtcct gatattagta agaataatag 360

ctgatatttt gattgattta tgagactaaa acaatcttgg ngcgtcattt aggtgcaaat 420

tnaccnaant taaaatatgc caattctctc ctcaagaacc aattcnatat ttttagtggg 480

aaatgataaa aattgcatat ata 503

<210> 5528
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-018-Q1-E1-E10

<400> 5528

acgcgtccgc ccacgcgtcc ggagatggtc aacccggagt ctcaagacag gatgtgtctt 60

gaaggggccg acgtcgtgcc agctcaagag atcgccgagt gcgatcgaag tcagtccgtt 120

caggtcgtcg agcctgaagt tcaaaatatt accgacgacc gctccgtcgt cgtttatgcc 180

gcccctccag caggcgaaga ggtcaacacg ggcctaacta tccttgatca agacaaggac 240

gaaaccgttg ctgagcccgg gatttccagg aggtcccgtg aggagaaagg gaaaggaggg 300

gctaaccaat ccaagaagag gtcggcttct gaagccggtt tagatgaggc cgctgctcca 360

aagacgtttc gcctgtcgcg aggcgagact cttaattctg accagtttac gttcaagtat 420

tctggtgaga aat 433

<210> 5529
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-E3

<400> 5529

acgcgtcngt tctccgattc gctttacact acttcttccc tcgtctctct ctctcgcgct 60

tcactgtgaa ttaatcgaga gatctaaata tccgccatgg acagagcaca attgatcttg 120

ttaggtctac ctatattctt gttttgttcg gatctcttca acctcttcac tcctccgcct 180

cctaaacctc agcctcaccg tcctcatcag ccaccgcata ttcctcacca gcatcgtcct 240

aatgcgatca tccccgaaac cctagacttt ccttcacaga agacaaggtg gcttangagg 300

agcaattggg atatggaaat acagtanaga tnaacttctg ntcccngtnc ttacaaaggg 360

gaantgcatt ccccatgang aaaagntnng aanaanggnt tttcccgggt taaaatgtga 420

atcctcgcna aattacccac caacagcanc a 451

<210> 5530
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-E5

<400> 5530

angtaccgaa caaagaattc ccgcggncga cccacgcgtc nnaatgtatt gaatggtcag 60

ttgttgttgg gtaattgcta tgcccgcctc ctaagcagta tggcgcaaga tctgcttgga 120

gctgaggatt ttaaaacacc ataaaaaaaa gtccgtgata gtgtcagagt atgtgaaaac 180

caaagatagt tgccaagaga gatttgatga actgaagaaa caacttcaaa ccccttcgac 240

aaaagatctt ctcattgaca nacaatcgaa atgggacact anttacgaca tgttattggc 300

tgcctgtgaa cacaaagagg tcctctcntg tttgggaaac tgcgatcntg attannaaat 360

attaacatcn ccctgaagaa tgggagaaag atngagattc ctttgccccg cccttgaana 420

ntnctttgn accccggcaa atgtttttga cngggnccca actcgaatta cagcaaacga 480

nttggttcca tggaaatgac aaaagcttca g 511

<210> 5531
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-F2

<400> 5531

aacttttttcc gcccgccacc ggtcaaagaa attcccgggc cgacccacgc gtcnngctct 60

tcattggtgg gatttcgtgg gatacagacg aagaaaggtt aagagactac tttagcaact 120

atggtgatgt tgttgaagct gtgatcatga gagatcgtgc cacaggtcgt gcacgtggct 180

tcggcttcat tgtctttgca gacccctgtg tctcagagag agtgatcatg gataaacaca 240

tcatcgatgg ccgcacggtt gaggcgaaga angctgtgcc tcgagatgat cagcaggtgc 300

taaagcgaca cgctagtcct atccacctta tgtcacctgt ccatggtggt ggtggaagga 360

caaagaagat cttcnttggg angtttaacg tctancanta ccgaggangg attcaagaac 420

tactttgatt aattttggac aatgccgaag tttgttgtaa tgtatgatca taacacgcag 480

aaggcaagag gtttggcttc atcacatttg attcana 517

<210> 5532
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-F3

<400> 5532

caacgttttt cggcccgcct accggtcaaa gaaatcccgg gtcgacccac gcgtccgcgc 60

agtctcccac tgattcagca gctctttgaa ctactcttcg acaatggccg aacgtggtgg 120

agaacgtggt gttgagcgtg gtggagaacg tggtgatttc ggacgaggat tcggaggccg 180

tggaggtcgt ggagatcgtg gagggcgtgg acgtggaggc cgtggtggtc gtcgtggagg 240

gcgtgccagt gaanaataga aatgggttcc aagtgaccaa gcttggtcgt ctcgtggcgg 300

ctggtcatat caagcagata gagcagatct atcttcattc actcccggtt aaggagtacc 360

agatcattga taagctcatc ngtccancat tganggatga ggtaatnaaa ancaatnccg 420

gttaaaaaac naancanggc ctggtcnaaa ggactanaat caanggcttt gttgtcgttg 480

gagatggtaa tgggtcaang tttgggttgg ggaattaaat gctcc 525

<210> 5533

<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-B11

<400> 5533

cngaattcgc gggtcgaccc acgcntccgg aaaatcaaag cagcagttat ggccgacgta 60

gcaacaaagc accccatgga agatgaggtg aagaagacgg aggcgtctag tttggtgggg 120

aagctagaga cagacgtgga gatcaaggct tcggctgata agtttcacca catgttcgct 180

gggaaaccac accatgtctc caaagcaagt ccaggcaaca ttcanggatg tgatctgcac 240

gaangcgact ggggcacagt cggctctatc gtcttctgga attacgtaca tgatggggaa 300

gcaaaggtgg cganngagaa gatngangcg gtggagccag ataagaactt gatnacgttt 360

aaggttatan aaggtgatct gatgaaaaga atncnaagaa cntcntgctc accatncaag 420

tgacccctaa ncctggaagg cctggaaant attgt 455

<210> 5534
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G8

<400> 5534

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cctccgtctc tagagaattt catatcaaga gaatcagtgg tttctgtagt ttgtggtggt 120

ggtggttgga aggtaagata ggatatggcg caggagcagg aaggagcggt cgttgagaaa 180

ggtgagccga atgattcctc cgccgctgcc gtggccgcaa ccgcaaccgc aaccgccgat 240

agcgtgaaag aagaagcaaa atggattctt ttcgcgtttg tggaatggga tattnagggt 300

tagaaggtga cnattcngag aangagactt catnacatcc tcaanggaaa gaaaccaact 360

ggtttaanca aggataaanc cgtnnatnga attcnaggag ggaaactcna canaaatccc 420

aaccgttcct ccgtantaat 440

<210> 5535

<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H10

<400> 5535

ccgggncgac ccacgcgtcc nggcttcttc tactagatta actattatac aatcaagctt 60

cgtctccgca agaacaagac tcaattacgt ctccaagaca aatcattctg ggttcgcttg 120

tcgttctctt tcaaaaccca gaaacttgag tctctctgtt tattctatgg gttcttctag 180

ttcttctccg aaaccagaca acgtccaagg ttctttttaa aaatttaacc tttttgaatt 240

gattctgttt ctctctgatt atccgatgat tcccataaat cccatttcat gttgtgtact 300

gtaatttgcg taaaaatggt ttctttcttt gtgggtttag gttaatgagt tttgtctttt 360

tccaaatgtt atgtttgatg ttttggaaga gagatttaag tcagcaagtt tactcaattg 420

gntctcaaaa gttagtgaaa gag 443

<210> 5536
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H11

<400> 5536

acgcgtccga tcgcctctct ctttcttcat cttcactccc aaaaccctaa tcttcaccag 60

aaccaggatc tctggtttcc cttatcttgc ttcccggcga tcccgcgatt tcatcaacgg 120

gagggatgat ttcgctgacg atacgaggag ctggaaccgg aagatcaaac cggagtatgg 180

gttcnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nntggatctg ttacttagat ttgtagaaaa tgttttcaga aagatttcta agagagcaag 300

gaaagctgtc cgatcaattt tgcctgtttc gatctctacg aagctcgtgg ggttttcagt 360

gaatggagta cttattcttg ctttttttgtg gattttgaag gctttcctcg aagtagcttt 420

gcacacttgg gaacta 436

<210> 5537

<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H12

<400> 5537

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gttatcagag gattcatctt cttcaganta gagattctgg tcatcttgtt gatgctcgtg 120

ctattggtta cttttgtcgt gaagatgatg agcttttcct caattctagc tctcaggcaa 180

tgatgagtca agataagagt aaacagcaga gtttatctgg gagtaaggaa gatgatactg 240

gagagaatgg gttgcgtcat agtctaagtc agccaagtgg ttcgaattcg tttcttagtg 300

gtgttaagca acggttactt tcttttatct tcagggagat ttggaatgaa naatcagata 360

acgtaatgag agttcaaagt cctaagaaga aagttttaat tccaatttca aggattatgt 420

cnacttgat 429

<210> 5538
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H2

<400> 5538

ggaaggtttc tctgccnggc ccggtccaaa ctnaacgggt cganccacgc gtccgcagaa 60

attcctttgg atctatcgtc aatggaccta atacctcagc agctcaaggc cgtaactctt 120

acacacgtcc ggtaccgtcc cggagatcag ctcggacatt tcctcgcctg gatctctctc 180

gtcccagtct tcattagcct cggtggattc gtctctcatt tccttttccg gcgtgagctt 240

caagggatct tcttcggtat aggtctcgtg atctcacaat tcatcaacga gtttatcaaa 300

acatctgtag agcaagcgcg tcccgaagac atgtacgttg ctcgaagctt gcgatcacat 360

ggattggcaa tcaagncaat ccgcaattca ggtcctcctt cgcaagttat tccantttga 420

nggaagttaa aggaattgga tccgggttgg gtttagnagc aggtggntta atgaatcctc 480

ctcaatgggc cttaacctgg tt 502

<210> 5539
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H4

<400> 5539

ccacgcgtcc gcacacaacg tccggtttct ggttgtagaa gtccatacac tcttcggcag 60

tgggaaagaa cttcagatac aacagaagac tgcatatcat aagccctgtc cttgccatgc 120

cagccttaca gtgaacaacc acaaacgatg tgtggatgga aaaggacttg tgctacccag 180

ccaaattaga tatgtgaaat actttgaaag aattttgacc tacttcaacg gggaaaaaca 240

aacaaggccg taaggtgtaa tgcctaaggg aatcccggct ccaataaggt gtcccctaat 300

nggttaangg caaccaatca ataattcaag atnaccatgg gggttcccct taacancaaa 360

aagnatcctc ngnacaaggn tnncncngta cgccantgnt aataccttaa tggtaacnag 420

tatttgttga ancettggga aatttcaaga attttcancc tgaaga 466

<210> 5540
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-H5

<400> 5540

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acactctctc cgaaaatcgg acttttccga cgaaaccctt catcctcact aggaagatct 120

cctgtttctc tctcgtttcc atcgacggag cttccaaaac gcaccgtttt agccgtgtca 180

aagccgcttc atctctcttc ttctctgaga gctaagtctc cggtagtgag atgtgaagct 240

tatgaagctg accgatcaga gcctcatccg atcggtgatg atgctgcggc ggcggaaacg 300

aaatcagagg cggctaagaa attgaagatc gggatttact ttgctacttg gtgggctttg 360

aacgttgtgt tcaatatcta caacaaagaa agtccttgaa cgcctatccc taaccatggg 420

cttaacctcg aacgcctttc tccttgccgg ctgggttc 458

<210> 5541
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-A1

<400> 5541

acgcgtccan caagnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnngcttac gaaggtcttc gctgttcccg ataccctaga tccaactcca 300

gaaattctcg atgaacccgc ctctgangtt ccgagctctt catccatcag ttgttagaac 360

ccgganaaan atgggggcca aaancaaaan gattagggtt ttaannctaa attnaaaccn 420

ggggtggcct ccctaaatgg aggnctcaag gcaagcaaga taccttgaat gctgcngaag 480

aaaacaccaa t 491

<210> 5542
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-A3

<400> 5542

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ccacctctgc ggcttcgcaa atccaaataa gctgtggatg aaacgaagaa tcctagattt 120

ctgaatggcg acaccattta tagcgggggt tgcagtagct gcaacagcac ttgctggtag 180

atatggaatc caagcatggc aagcattcaa ggcaaggcca ccaaggccca aaattaagaa 240

attttatgag ggcggtttcc agcctacgat gacgaaaagg gaagctgctc tcattcttgg 300

cgtcagggag agtgtagcgg cggaaaaggt gaaggaagca cacaggaagg taatggtagc 360

aaaccatcca gatgcaggtg gtacccattt ccnacccncn aaatttatta ancnaaanac 420

gtnatgctaa gcaaaactaa aaacagcgga ttcgcttttt gatgcaaatt tcaatcaa 478

<210> 5543
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-A4

<400> 5543

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acgcgtgggt ggcggagaag agctttaagt acatcatcct cggcggcggc gtctctgccg 120

gatacgcagc taaggagttt gccaatcaag gggttcaacc aggagaattg gctgttatct 180

cgaaagaggc ggtggctcca tatgaacgcc ctgcacttag caaggggtat ttgtttcctg 240

aaggggctgc tagacttcca ggtttccatt gctgtgttgg tantggtgga gaaaaactgc 300

ttcctgaatc ctacaagcag aaaggaattg agttgatacc aagcacanaa atagtgaaaa 360

ntgatntctc tgccaaaatc ctgtcaatgc aactggggaa ntctcaantn nnaaagcnca 420

aaaatncaac gggtctantg gtcccaaant gactgatttg gntaaaaagt gcagactctn 480

agaatatcct ctatctgaga gagatgatga t 511

<210> 5544
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-A6

<400> 5544

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tgaaagcatt atctggaagg catttagccc aactaccatc aacaccgggc gtggagctga 120

gtttgaaggt gctgttattg cactgttcca tatgctgata accaagtcca acaaggttgc 180

ggctctccgc caagctttct accggcaaaa ccttccaaat gttaccaact tgcttgccac 240

agtcttgatc ttcctgattg tgatctactt ccaaggtttc cgtgtggttt tgcctgtgag 300

atcaaagaat gcccgtggac aacanggttc ttanccaatc aagctgttct acacctctaa 360

caangccaat caacctncaa accggcctcn tcncaaatcc ttacttcant tctcaacttc 420

tctaccggaa gttcancggg aaatttcctt gtnaaccttt tggg 464

<210> 5545
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-A7

<400> 5545

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tttgtatctc ttcctgatca ccaaataaga aaactcttgt ggttctattg aattgggttt 120

ccactatctt tattgtagag atggagtctt caagtcccca ccatagtcac attgttgagg 180

ttaatgttgg aaaatctgat gaagagagaa taattgtggc gagtaaagtc tgtggagaag 240

caccatgtgg gttttcagat tctaagaatg cttccgggga tgctcacgaa cgctctgctt 300

ctatgcggaa gctttgtatc gccgtccgtg ctgtgtctan tgttcatgag tgttgaagtt 360

gttggtggga ttaaagccna ntagtttgnn naaatnaccn nnnncaacnn aaatttnccc 420

ccnggaagnt gccgggcctt ggntaanctc ccctccttct caatgtgggg gctgctgggg 480

tggggaaagc c 491

<210> 5546
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-B1

<400> 5546

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gttatggccg acgtagcaac aaagcacccc atggaagatg aggtgaagaa gacggaggcg 120

tctagtttgg tggggaagct agagacagac gtggagatca aggcttcggc tgataagttt 180

caccacatgt tcgctgggaa accacaccat gtctccaaag caagtccagg caacattcag 240

ggatgtgatc tgcacgaagg cgactggggc acagtcggct ctatcgtctt ctggaattac 300

gtacatgatg gggaggcaaa ggtggcgaan gagaggatcg aggcggtgga gccagataag 360

aacttgatca cgtttaaggg ttatagaaag gtgatcttga tgaaagagtt cnagaannct 420

ccntggncaa caatcaangg ttgacccctn aanccttgga aggcccttgg aaagttantt 480

gttgc 485

<210> 5547
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G5

<400> 5547

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ctgaatggtc ttggaatttt tagtgctggc gttcttggtg cactttatgc actggctcgg 180

caagatacaa aagctgctga ggaaaccatc gaatctctaa agaaccagtt gaaagacaga 240

gaaagagcat tggttttgaa ggagaaagat ttcgaggcaa aactgcagca tgagcaggaa 300

gagcggaaaa aggaagtaga aaaggcaaaa gangaacagt tgtcattgat caaccagttg 360

aattctgcaa aggacttggt gacagaatta ggccgggagc taagtaccga gaagaaatta 420

tgtgagaagc ttaaagatta aatcnaaaag 450

<210> 5548
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-E1

<400> 5548

acgcgtccgc ccangcgtcc gcccacgcgt ccgcggacgc gtggggcaaa ttcttgatat 60

gggtggaggt agttgggacc gtgacactgt tgttcgtgct ctgagagctg cgttcaacaa 120

tcctgaaaga gctgttgaat acctgtactc gggtatccct gctcaagctg aaatcccacc 180

agttgctcaa gccccagcta ctggggaaca ggcagccaat cctctagcac agccccaaca 240

agcagcagct ccagcagctg caactggtgg tccaaacgca aatccattaa acctgttccc 300

ccanggcatg cccgctgcag atgctgggtg ctggagctgg taatcttgat ttcctgcgta 360

acagtcaaca attccaagcc ttgcgancta tggtacaagc aaanccacaa aattctacag 420

cctatgcttc angagctcgg taaacaaaac ccca 454

<210> 5549
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-E10

<400> 5549

cattcccggg ccgacccacg cgtccantta aaggaaacct cctctacgcg aaattcgtat 60

tctctcattt cttctacgga gatttgcatc gaagaaactg actcgcttgt ggaatcaaca 120

acaagacgat gtggcgctgc gtctctcgtg gctttcgagc tcctgcttca aagacctctt 180

cactctttga tggcgtctct ggatctcgct tttccagatt cttctccact ggttctaccg 240

atacgagatc ctcttatacg atagtggatc acacttatga tgcggttgtg gtgggagctg 300

gtggtgctgg tcttagggcg gcgattgggt tatcggagca tggctttaac accgcttgca 360

ttactaagct tttccccaca aggtcacata ctgttgctgc tcaaggtggt aataatgctg 420

cactgggaaa tatgtccgaa aatgactggg 450

<210> 5550
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-E3

<400> 5550

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ggagaacgct taatgatggt tcacggtaat ctagacgacg gtggcgacga tagctcggaa 120

gagagtgtca acgacgatga agaatatgac gacggaggtg taggaccacc ttcttcgttg 180

aagatgcttc ctccgacgag caataatatc tcagctgcat cgttttcatc gtctctatca 240

aatcatcaca acggaggtag cggtaatctc catcaccacc atcacangcc acaacaataa 300

ccatcagagg aagaataatt ttccgccgac gaaagttttc agatcgtctc cttctccggc 360

gccggtatca cctcttgtct cgacgtggaa agccgccgac ganatgatcg tgtttcggtt 420

cctaaaaaag ctcggtcaac gtgtacgaag aga 453

<210> 5551
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-E5

<400> 5551

attcncgggt cgacccacgc gtccgnccac gcgtccgcca aaagctctct catctctctc 60

gtccgtctcc tctttctcca tagtttaaag cttcgtcgtt ccgtcaccag aatttcaact 120

actttgagtt gattctcgtt ggatttctca cgatgggaga cagcgggaag cttgaggcaa 180

cgatagatcg gcttctgaat gaagagaagc agatgagact cgccgaaaac gtagccggta 240

caaggaaagc cgccactgag attcttcagc tttgtttcga tgctaaggat tggaaacttc 300

tgaatgagca gattctcaat ctctctaaga aacgtggtca gctcaaacag gctgtgcaat 360

ccatggtgca gcaagcaatg cagtatatcg atcagacacc agacattgaa actcggatag 420

agcttatcaa gacgctgaac aatgtatctg ctggaaagat atatgtt 467

<210> 5552
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-E7

<400> 5552

gaacanacat tcgcgggtcn acccacgcgt ccgancacgc gtccgctcta atcgaaaccg 60

tttctctctt tttgatcaga tntcagatct ttccctcttt gantcntctt ccttagatcg 120

attctcncta naaacaanaa tggngtctgg gcgtgaagag ttcgtataca tggcgaagct 180

cgcggagcaa gcggagaggt acgaagagat ggtagagttt atggagaaag tctccgccgc 240

cgttgacngg cgatgaactc accgtataag agcgaaanct tctctccgtc gcttataaga 300

atgtgattgg tgctcgccgt gcctcgtggn gtatcatttc atcgatcgag cagantgaan 360

agatccgtgg tancnatgac cacgtcacgg cgatntgtga atataggtct aacatcgaga 420

nggaactctc cggnatcngc tacggaatcc ttangttgct tgactctana ctcat 475

<210> 5553
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-F10

<400> 5553

cantccgggc cgacccacgc gtcnagcaac ggtgacggta cacatgatcc agtcctcaga 60

atctctagga atggtcatga agcgagagta tataaaagac gacgagcacc acaaatctct 120

cggcaccgcc ctgggtgaga tattgaaaca caatgagccc tccacatctc taagcacagt 180

tctgggcgag atgtttaaaa acaacgagga gaaggaacat atttttcgg atctagaacg 240

aggaacaatg ctaacaagac caatgggcga aggatatatt caatatctac ggctttctaa 300

agagacgact caaccggcgg attctaagat tcccggtctt tggtcttctt ccgttagacc 360

agagttttgt tgcatctata gagtaccaag accggttacg caaagtgaac cccgaggctt 420

acactcctca aatgctgcta atccggactc ct 452

<210> 5554
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-F2

<400> 5554

ggnaactgtt atttcgccgn ccncggtcca nccnnacccg ggtcgnccca cgcgtccgct 60

ttntctgaag ctttatctaa taaatctctt cgttgatcct tcctttccat taacgagatt 120

tcgaatcgag accagatctg cgtgaagatg atngagaagt gtatangagc gcatcggttt 180

cggagattac agagattcat gcgtcaaggg aaagtgacga ttctttgtct cgntctcacc 240

gtcatcgtcn tangtggnac aatcggagcc ggtaagtttg gtacgccgga naaagatatc 300

gaggagatcc gtgagcattt cttctacacg cgtaaacgng gcgagcctca ccgtgtcctc 360

gtcgangtct cttccaaaac gacgtcntcc naagacggag gaaatggtgg taacanctac 420

caagaccttc gatatcaaga agctattcgt tgatgaanga gacgaaagag aaatctcnaa 480

gaacgggact 490

<210> 5555
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-F3

<400> 5555

acgcgtccgt attgctaaag tctcttgcgc ggttgtgtcg tgtgctaccg cgttgatgtt 60

ggttcatatt attcctgatc ttctcagtgt taagaacagg gaattgtttc tcaagaagaa 120

agctgatgag ttagatagag aaatgggtct tattttaaca caagaggaga ctggtaggca 180

tgttaggatg cttactcatg gaattagaag aactcttgat aggcatacta ttttaagaac 240

cactcttgtt gagcttggta aaactctttg tcttgaggaa tgtgcgttgt ggatgccttc 300

tcaaagtggg tttatatttg cagctttctc atactttgag tcataaaata caagttggaa 360

gcagtgtgcc gataaatctc ccgattatta atgaactcct caatagcgct caaagctatg 420

cacatacctc aatccntgtc ctttgg 446

<210> 5556
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-F4

<400> 5556

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cctggatcgt gatttgattc gaactttcac ataagatggc tatggtagat gaaccgttgt 120

atcccattgc tgtgcttata gatgagctta agaatgatga tattcagctt cgtttgaact 180

cgatccgtcg cttatctact atagctcgtg ctcttggaga ggagcgtaca aggaaggagt 240

taatcccttt tttgagtgag aatagtgacg atgacgatga ggtgcttctt gcaatggctg 300

aggagttagg agtttttatt ccgtttgttg gaggaattga gtttgcgcat gttcttcttc 360

ctcctttgga atctctatgt actgttgaag agacttgtgt gaagagaaaa agctgtggaa 420

tcgctttgta agattggatc tcagatgaaa 450

<210> 5557
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-F9

<400> 5557

ggttggagna attctattcg ttcggcacgg tctgacatcn cgggcccgac ccacgcgtca 60

aagcgagcgg ccgcccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntga caaactctcn gggtttttac 180

ttacgtctgc gtttcaaaaa aaaaaaccgc tttcgttttg cgttttagtc ccattgtttt 240

gtagctaaaa aaaaaaaaaa a 261

<210> 5558
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G1

<400> 5558

acgcgtccga tctcttctct ggctatctta gagggatttt tgattgagat tttaaaattt 60

tctgagttgg attagttggt tggtaaagag atggatccgg atacggtgaa gtcgaccctc 120

tcgaatctgg cattcgggaa tgtattggcg gcagctgcta gagattataa aaaggaagtt 180

cttgcaaatg aaaaggcaca aggatcaaga cctgtcaacg aggaagttga tcttgacgaa 240

ttgatggatg atccagagct agaaaagttg cacgcagata ggattgcagc actcaggaga 300

gaagtggaaa agagagaaag cattcaaana gacaaaggac atgggtgaat accganaaat 360

taaccaaagg cgacttcctt ggggaaaaat cacaaaggaa tnaaaaaant tatatgtcac 420

ntcctaccac aaaggagttc caaccgctgc aaagataatg ggacaag 467

<210> 5559
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G2

<400> 5559

acgcgtccgn aaanggctca caagtctcaa atacaaaaca atgaagaaca tactagcttg 60

catagttacc atcataaccc tctcaaacct cataaccatt tctcaaggaa gaagggtatc 120

acagtcattt gaaacatttg agtacacagc aattatttgc agatcccaca gtgcctccat 180

aacagagtac ggtggtgtac gagacggcaa gacgctaagn cacaaagggn ttctangagc 240

gccgtngatc atctcagcca atactcatct gaaaggcgga acacaactct ttgtnccgcc 300

gggaaatggc tcaacggaag tttcaacctc acaagccatt tcactctgtt tcttcacaaa 360

agacgcaatt cttctcgctg ctcaagactt aaaccaatac ccaattctaa aggctttgcc 420

ttcgtacgga cgaagacgtg acccgnccgg tggaaga 457

<210> 5560
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G3

<400> 5560

aattcttcgg ccgcacggtc canacaaccg ggtcgaccca cgcgtccgna aaacctctct 60

cttctctctc tcactaagct cgaacaccca aaacagttag aagattcaaa tgccgtcgng 120

agtcatcgtt acaaagtcna ccgtccggcg aaatccggag gatctcgacg agactcaagc 180

cccgactcaa taatcttcac acctgaatct aatctcagtc tcttctcctc cgcttccgtc 240

agcgtcgatc gttgctcttc nacctccgac gctcacnacc gggacgactc tctcatctcc 300

ggtccctctc tgatgaacag gagcgaagat nagagggtaa gttcgagctg taaagatcta 360

gatntanaca agcgtggtac aaggtggaag aatanttgta actctagaaa atcaaatana 420

gttanagcnt ggaaananga tttgaggtta aaaagatgat gaaaggccan atccttgaat 480

caacctag 488

<210> 5561
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-G4

<400> 5561

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cgatcgatca attgaagatt gaaatggaag ctaattcnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnattggtg 180

agcaaagacg ttgcaaagtg gagcataaac caatccaatt ttgttcttan gganatcccc 240

ctnggaaggg atccaaagaa taccgggaaa naactccggg aanaagtnna ccaacaattg 300

ntncctnctc cgggatcccc tggntccctt gatnccctca actactaagt caattccgan 360

gaacacganc ttttagcaaa gaattgnaac ctgaatccaa ngngttttac tccatatccg 420

tgagaacnag aagaagaccc tccttgaagg tgtcaaaaac 460

<210> 5562
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-D9

<400> 5562

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ctactactat ccccaacaca cactgttact cttcttcttc ttctctgtca ctgtctattc 120

tctcttttgg acctttcatg gctatgtttc tctgcaatgg nagtccaagc tcgtgatcac 180

caacaccgac acgctaatgg ctattggaga tagagctatg tttactgttt tgcttctatt 240

cattgcttcg atctctggat tctctgttgt tcgttgtgtt actgatccat ctgatgttca 300

aagcccttca aagttttgta tacttcacta aatagtcctt cacagctaac caattgggaa 360

aaatggtggt ggtgatcaag tggagagtca tggaaaggga ttacttgtga gggctctgca 420

anttgtcact atngatatat ccgggtttta ggagtctctg gnactccttg 470

<210> 5563
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-A6

<400> 5563

ccggcaangt acaagtctgc aattcncggg cccnacccac gcntccaaac agattcatta 60

acccttttctt ttgcttaggc atctcattag ttagagtctt agagtcaaag gatctctctt 120

tgagtttctg gtcttttatc aggttttcta acaagggaaa ctttgttttt cgttgcagtg 180

atcttgataa ccaaggtctg aaaggtttcc taccaaacga tatatcaaag ctaaaacatc 240

ttcagagcat aaacttgagt gaaaacaaca ttcgtggagg aatacctgca tcgcttggaa 300

gcgttacgag cttggaagta ttggacctct cctacaattc cttcaatgga tctatccctg 360

aaaccttagg agagttaaca tccctgcgga ttctgaatct caacggaaac tctttgtctg 420

gaaaagtacc ancggctgta ggtggaacgc tgttgcacan gagcaagctt caacgtcnca 480

agata 485

<210> 5564
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-A9

<400> 5564

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ctctctcctc accaaaatct cctctgtatc ccctcaaagg attttcctca agaagagcac 120

agtgtgttac agaagagttg tgtcagtgaa ggctcaggtg acaacagata ctaccgaggc 180

accaccagtt aaagtagtca aggagtctaa gaaacaggaa gaagggattg ttgtcaacaa 240

attcaaacct aagaaccctt acactggtcg ctgccttttg aacaccaaga tcaccggtga 300

tgacgctccc ggtgagactt ggcacattgt cctcaccaac gaangtgaag gttccgtata 360

gagaaaggac aatccaataa ggaattgant ccaagaaggg aataagacaa agaacgggga 420

aancccgcaa caaagctcaa ggctttactc cnatccgccg aattagttgc cattggtgac 480

nttg 484

<210> 5565
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B1

<400> 5565

ggtccaagaa tanacgggtc gagccacgcg tccgcccaaa atccccgatg gcgaaggaaa 60

ctccggcgtc gtcgtcgatg ccttctggtc tcaaagccta cacggttcct atcttcctct 120

tcgtcctcgc tatgttcttc cagcttttcc ttcttcctcg ttcctttcct ccttctcatt 180

acgacgtttt gggtgtaaag atgtacagct cagtggatga cgtgaaagat gcgtatcaga 240

ctgttgcttc taagtgggat tcgggttcag gagtttctct tccagctgat tttgttaaga 300

tacaatacgc ctatgagctg ttaacaaatc taagtatgga aaagggacta tgacttatac 360

gccattgatg aatcagtaca tattatagag gaacttgaaa aacaatatgc tgtggaagat 420

tttgcaaaaa taaaacttcc cctactggaa gttgtttcct aagaaccnga a 471

<210> 5566
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B10

<400> 5566

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnga actatacaaa aacctacttt tangttctct 120

tccaagaagt caagaaccca gaagaagaca tgacaagtga agttcttcaa acaatctcaa 180

gtggatcagg ttttgctcag ccacagagct catcaaccct ggatcatgat gaatctctca 240

tcaatcctcc tcttgttaag aaaaagagaa atctccctgg aaatcctgat ccggaagctg 300

aagtgatagc tttatccccc acgaccttga tggctacgaa ccgggttcct aatggtgagg 360

gatgttggca aangttncca agaggagacc aaaacttaca gcttcagccg gggaaggaca 420

taatcnttcc atggaaattg aagcagagga cgangcaaga gaagtg 466

<210> 5567
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B11

<400> 5567

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tctctcagac taagtttcac cattgcggcg tctggatttc tacgccgccg tgctcatctt 120

cttccacggt agtctcaatg gtgggcttga atcggactga ttcgaaaaag ctccgttcag 180

atttcctcgg ccagattggt tacgaagatc ggagacaagt aagacacagt tactgtagaa 240

gctcattagc tgtgaaaatg tcgtgggacg gtcctcttgc ttccgtcaag ttgatcatcc 300

aaggaaaaaa cctcgagtta tcagagccaa ttaagcaaca tgttgaagaa gaaaagtagg 360

aaaatctgtt caagaaacac agtcatcntg gtgagaaaaa tttatgttaa gactcctctg 420

ttcntgggtg gaaaatttgg gtaaaaggcc ctaaggattc naaagaatgt g 471

<210> 5568
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B2

<400> 5568

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tttccgacga ttaaataggt acatagaagg agataacaag agcaacgtga agatgaacat 120

gacagctccg gtgatcgcac aagcaacgcc tggaagatca gtctacacgg tctcactcta 180

cctcccgaag aagaaccaac agaacccacc tcaggccgat gatctccacg ttcggtctac 240

gaaaccaact tacgtagccg tgagacagat cggtggctac gtgtcgaaca atgtagccaa 300

ggacgaagct gcggctctga tggaaagcct ccgggattct aactggattt tgcccatcga 360

gaagagcaaa ggaaagttgc cggcgtattt tctcgctgtt tataacccgc catctcatac 420

cacggctagg gtgattaatg agatcatggt tccgtttaac atgtanatna tgttaatgac 480

gcctcacgaa t 491

<210> 5569
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B3

<400> 5569

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accccaagga gatcacatca gtttttgggg gttttgagga atgaatttct tgcttcgatc 180

tgcttcttcc gctactcatc ggcctccggt gatcgaacca ccagctacgc cgcctcaacc 240

tccccctgaa acagcgaagc ccggagttac tttggaaggg ctgattgctg aagagcattt 300

cccacaatat ccatcagtag atgaagatct cgatcgtgtg ggtgatggat ctggagacct 360

tgatggtaat ggagagtcaa atgctaagtc tggtggctct ggtatggaga gattctctga 420

tgtgtctgaa gaacaaggat ggatn 445

<210> 5570
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B4

<400> 5570

ggcccggtcc anaaattaac gggtcgaccc acgcgtccga aactggggaa gatgaagatg 60

gagtggtgaa gaacaaaacc gtataaccgt tcggttcaga ggtgccgaac cgaaccgacc 120

cgtaaaccga aatcctcaaa agaaattgcc gatcggtttg ctactgttca aaacctcggt 180

gccgagaacc gaaactgtcg gttttttcgg ttcgggtttc tcggtttctt ccgaactccc 240

aggcctagtt tggttttatt tttcacgagt tttgcttctc ttttcatcgg cgacgacgac 300

gtcgagtttc tgtcaaaacg ttaacgatcc gactcgagcg tcgacagtaa gagaagaaga 360

cagcgattgt gtgtagatcg acggcgaacg tgtgtcgatt cgtctcgatc gacggagaat 420

acgtttcgat tcggtttcga ttcaaatcgg aganttg 457

<210> 5571
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B7

<400> 5571

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tatttcttct gcttctgggt ttttttctcc gttaactgta gttgggctag ggtcttgagc 120

tccgttcctc gataatggcg gtttctttga gaagaaagct cgtgtcttcc ttctattaaa 180

aaagctaact ttccccttt ttatactaac tttcaaaatg ggaaatttct gaaaaatgtg 240

ttgcaagtta agcttgtgaa agtttcgatt tttcgttttg gggttcttaa attttaggac 300

aattatttaa ctttttaaan gattatagga taattantat ccgttgggaa gtaaattgng 360

aaggctaagt nanttgtatc tctttgatnt gttgt 395

<210> 5572
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-B9

<400> 5572

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tttctcttca attccgttac cgtcactgtc accgttcacc tccgtttatc tcatcctcac 120

cgttcatctt cttcgatcta actcgccgtc gttcaccttа taatggacac cgtcaacgat 180

tccttttcgc cgggatcttc ccgaccttcg ccggcgacgc tttctcgtga agattgctgg 240

agcgaggaag cgaccttcac gctcatccaa gcctgggggt aatcgctacg tcgacctcag 300

cgangtaatc tccgtcagaa acactgggaa agangtgggc taacgncgtt taagaacggt 360

caatacaaca accggtccaa aagttttcgg cggcaaatcn ganccgttac gnaacgaagt 420

tcaantgtta aaancggatt gatactccga agaagaagtc aaagtcga 468

<210> 5573
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-C1

<400> 5573

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aaaacatgaa aatcctctca ctttcacttc tcttgctctt ggccgctacg gtctcggcat 120

ccgttccagg gctcatcgaa ctcgtcgatt cgaaaaccat ctttgggaac gtagccgaac 180

tcttagagaa agagaaactt tccatcaact acgccaactg cagaagctgg caccttggtg 240

ttgagacctc taacatcata gacttcgaca cggtgcccgc aaattgcaaa gactatgttg 300

aagactactt gatcacttcc aaacagtacc aatacgactc caaaaccgtg tgcaaagagg 360

cttatttcta tgccaaagga cttgccctaa agaacgacac cgtcaatgtt tggatctttg 420

acctagatga tacctcctct ctagtattcc tactacgcna aatatggg 468

<210> 5574
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-C10

<400> 5574

atcncgggcc gacccacgcn tccaaaatca tctccttcct ccgctcccat ctgcgtctca 60

atggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnncncggcc acgtatttta gtgcgatcga gtttaacatc gtctatgacc 180

tctaccaata gtatgctggt ctttgtacat cctcatcctt tgattaaaca ttggctctcg 240

ttattgagat ctgaccaaac ttctttcccc attttcgtta gaattccaat gacttctgtg 300

gttgcaacga ggtggtcgtt tctatcntca gtcaaangag gaanagcaag aatttatcag 360

aacgattnct ctaaaaagca tgtgggctgc gcatctggta tctcccttac actgcacaaa 420

aataanggtt tatgtttgag ctcanaggac ccaaggggaa anatattggg cgtgggttct 480

gca 483

<210> 5575
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-C6

<400> 5575

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cgcagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggcttcg 120

gtggtgatca cttgggtcga atactgatga agaaactggc tgatcggctc cttcatcgtt 180

ttactaatca tgaaaccgct ttaaacgccg gccaccactg tgatttctcg tctacccttc 240

tcttctcatg gctcagaggg gacagatcaa ggtacaagtg gtcttagtca taggaaggat 300

cacaggatgt cctctcatgg tgtccacctg catgtccatg atcgatatgt tgtgatggga 360

caatgggatc ctccaagtta cactgtcaaa gccaaggtgg aattatcact gggatagagt 420

ataacggtat tgacaatgtg ctcgaaagtt cgtnanaaag gagaatanca agaggg 476

<210> 5576
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-A11

<400> 5576

acacgtccac ccaaaatccc cgatggcgaa ggaaactccg gcgtcgtcgt cgatgccttc 60

tggtctcaaa gcctacacgg ttcctatctt cctcttcgtc ctcgctatgt tcttccagct 120

tttccttctt cctcgttcct ttcctccttc tcattacgac gttttgggtg taaagatgta 180

cagctcagtg gatgacgtga aagatgcgta tcagactgtt gcttctaagt gggattcggg 240

ttcaggagtt tctcttccag ctgatttttgt taagatacaa tacgcctatg anctgttaac 300

aaatctaata tggaaaaagg gactatgact tatacgccan ttgatgaatc angtccatat 360

tatagaagga acttgagaaa ncaataatgn ngtnggaana attttgcaaa anataaancn 420

tcccctaatg gaangntgnt tcntaangan cctgaaacgt gaaagggttt atgt 474

<210> 5577
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-E2

<400> 5577

ctgtttattc gccggccacg gtccaaanaa cccgggantt cgccggcgaa gatgcancag 60

aggaagccga cggcgggtag acccagtggt accgatggat ccgatttctc ataccgcatg 120

gtcgttgact ctcgttacac gaaggtcact aaagaaaaag ctcgtctccg tcctttgatc 180

tttgttcagg ctgcgattta tgtaatcgga ttatcgtgtg cgtttctaac aacaactaaa 240

aaggatgaga agaacaccct tgctattgca gctgctgttg ctggcttagt gtgttcattg 300

ataggagaat taggttgcag acgtagcaga gtaaaccttt tgaggctcta cacggctgca 360

tcaaccattg ttatggttct ttctgtgttt tgtgctgtta ggagcagatt aaccatggan 420

gaacgcaata gctctggaac aaccgcgaag cttgagctcg cangtttcat tt 472

<210> 5578
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-E3

<400> 5578

ttaangggtc gacccacgcg tccgactttc tctctctctc tctctctgat tgattcttga 60

aaagaaaatc aaagtctcaa tagctttgtt ttgattctag ttccattcca caattgcatc 120

taattctcct accgtagcct tttcttcttt atttgtcatc aacaactcct aaaattcata 180

tgaaattaga gaaatcgaaa cgaaaagata atatttttca agaaagagct acatatacac 240

cttttgacct tgtaaagttg gaaccctaga ggcctttcaa gcaaatcatc agggtaacaa 300

tttcttgatc tttcttttta gcgaatttcc agtttttggt caatcatggc aaacccttgg 360

tggacgaacc agagtggttt aacgggcatg gtggaacatt cggtctcctc aaggcatcan 420

caaaaccatc aacaacaaag tcc 443

<210> 5579
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-E5

<400> 5579

acgcgtccga gatttcagca aatgggatcg attttaagct tcgtctgggt taaaagcttg 60

gatcctatct gaagacagaa caaaggttct tgcttttgat tcattgccca ttttgagaag 120

atgttcgaag gtcgtcctcg tgattcttgt ctagtttcaa cacttttcac catgccaagc 180

cataaagaaa cgaaatggag ctttttggtt tctgggaaac gatcttttct caacaacgat 240

gagtctgatc ttcacttcaa gaagatgtac aagcttacta ctgattcaag tgaaggagaa 300

gacaatggat ctcttcagan tcaggaacac ttatcccagg gatgaacaga gatgattcgt 360

taagctgttt gattcgttgc tctagagctg antactgctc 400

<210> 5580
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-F1

<400> 5580

gccngtgccg gtccaaaatt cacgggtcga cccacgcgtc cggagactta cttgaagata 60

gacgggagta aagccgagaa gtttgtgtca aaagggatgt acaaggatcc gagtggtctc 120

tctgttctta ctggaaacaa caagaagaaa ctgatggacc atgcaagctt taaaggcttg 180

aaggatccaa aacgtaactc tcaagagaaa accctgagaa ccagcctgag ccggttgatg 240

ccaacagtca gttttaatga caagactcta aactcaccca catctcagaa acgaaaatcc 300

gctgtttatc ggctttcttt caaaaggagg tcgtgtgatg gtgaggaagt tactgagcaa 360

cgtaagttgt tgtaccgtcc aaaagcggga ttcacaattc cttcctcggg cagagaaaag 420

cagtctagcg gaagttggtc tgagataccg ccttcaactt tta 463

<210> 5581
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-015-Q1-E1-F2

<400> 5581

acgcgtccga agagactgaa gaagagctac aaaaaatgag agagctcctg tgaagtgacg 60

aagagacgaa gaagaaagag aacattaatg gcggctactc cgtggtactt tgtcgcagta 120

cttctcacca ttcttaccag ctctcagggg attctaacaa ctctttctca aagtgatgga 180

ggttataagt atgattatgc tactgttccc tttcttgctg aagtttttaa gctgatcatt 240

tcctggttta tttctctgga gaaagatgcg gacatcttcc tcaacaactt caagggatta 300

ctacgggatt ggaaagagtg tgcgattatt tgttattccg tctcctattt atctgataca 360

taacaatgtg cagtttgcta cattgactta tgtgggatac gtccacttat cagataatgg 420

gtaatttgaa gattgt 436

<210> 5582
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-F6

<400> 5582

acgcgtccgg gagattccct tttttggtga tgaataaaat aggaatcgaa cacgtggacg 60

gcgcagatgc taaagtgacc aaatccactg gtgatccggg taaagtttcg ggtccggctc 120

agttcacaac aagtggtgac gtggcggagg tgatanagga gcttcgaacg gagaacaagc 180

agttaannag agccgttgaa gatctccggg aantantanc aaacgtccgt ccatactcgc 240

cggcgacaat tgattacgga tcacactcna agtatcgcga atccganagg aacaacagca 300

ncancaacnn caacaccanc aacaacaacg ggagatcgag agctgatcgg tggagcagcg 360

agagaacnac aacgtctgat tactgtggga agacagcncg gaagatggca atctacctga 420

ggagctga 428

<210> 5583
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-G11

<400> 5583

tanacgggtc gacccacgcg tccgatcaaa agccttaact ttttctttag ctctttccat 60

tacaagagac ctctagcttc atacttttta taaaaattct ctctttttct cagtttaatc 120

tcaagaaatg gtttcaagat cgtattcaaa tctgttggag ttagcttcag gagactcacc 180

aacgtttgga cgcatgaacc gacaaatccc acgaatcatg gccgttgctg gaatcatgtc 240

aaacatcgat aatgactcta aagacactga tctgtctcct aaagatcgta tcatcattgt 300

agccaatgaa ttacctatac gagctcagag aanggttgat ggtaatggta gtggtagtag 360

taataagtan tacttgttgt ancaaaaggt tggaactttt ccttgggaag aagaaatcac 420

tcntctccaa ntgaaagatg ggttaggaga tgaanct 457

<210> 5584
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-G2

<400> 5584

acgcgtccgc ccangcgtcc gcccacgcgt ccgcggacgc gtgggcgaga agcaaaggat 60

agtataaaac caataagaga gccaagcagg gtggtacaag caaaaccagc cagaggtcaa 120

accgggaaga aaacagctcc atcagttaag gtggttgagc caacaatgct ggtcatgaaa 180

ttcccacctg gcacatctct cccttcagcc gcattgctaa aggcgaggtt tggtcgcttc 240

gggctgttag atcaatccgc cattagggtt ttctggaaat catcgacctg ccgtgttgtc 300

tttctgtaca aagccgatgc ccagactgct tttcgatatg caacaggaaa caacactcta 360

tttggaaacg tgaatgtaaa gtactttctc cgtgatgtgg atgctcctaa agccgaacct 420

cgtgagccan a 431

<210> 5585
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-H1

<400> 5585

tgttattcgc cgccacggtc caaaaaaccc gggtcgaccc acgcgtccgt ttcncgttaa 60

tttccatttt cgttatctct ctctctcgcc gatcaaaccc taggtgtatc aattcgttca 120

gattcccggc ggttggtctc actgtcatgt aagtttgatt catcttctct tctggatctt 180

gagtgacgaa gagagaagag atctgagttt ttctgagaga gagatttttc tccctcgttg 240

acccgatcag ttttttttcgt cgctggggat tttcaaattt tttttgaggg atcggttttg 300

atttgttacg tagatggcgg attcttcacc cgattcgtgt ttcaaaggag gcaaatttag 360

tgctccaggg tttcgatttc atccaactga tgaagagctt gtgatgtatt atttgaagan 420

gaagatttgt aggaagangc ttagagttaa tgttatcggt gttgttg 467

<210> 5586
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-H10

<400> 5586

aacgttacgt tgccaggccc ggtcnanaat naacgggtcg acccacgcgt ccggcttgat 60

aaagcttccg tcaggggaca ccaagtggat caatgccaaa tgtcgtgcta cgattggcac 120

agtgtcgaac ccgtctcatg gaacgaagaa gctatataaa gcaggacaga gtaggtggtt 180

agggataagg cccaaagtta gaggagtggc gatgaatccg tgtgatcatc cacacggtgg 240

aggtgaagga aaaagcaaaa gtagtggaag cagaggaagg acatcggtta gtccgtgggg 300

aaaaccgtgt aaaggcggtt acaaatcagc tagtgtcaag aagaagaaga agcgtttggc 360

agaagcagca gccaaaatgt gatatgggtg aacaagtttc gattttcctc aaacgtttcc 420

ttcctttaaa aagcctccaa tgttaattgg ttacgttaaa aaaaaaaaaa aaaaggcggn 480

cgctctaaaa gattcaa 497

<210> 5587
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-H3

<400> 5587

ttactttgcc ngtcccggtc cnaaattcac gggtcgaccc acgcgtccgc ccacgcgtcc 60

gaaatggacg aacagcttct tgatgcgctc tgtgaccgtt tgcaacctgt gttatacaca 120

gaggaaagct acatagtaag agaaggagat ccggtagacg aaatgctctt cataatgcgc 180

gggaagcttc taacaatcac aacaaacggt ggaagaaccg gttttttaaa ttccgagtat 240

cttggagccg gtgatttctg tggtgaggag cttttaacct gggctttaga cccacactca 300

tcctcaaacc tcccaatctc aacaagaact gttcgagctc tcatggaagt tgaagctttc 360

gcacttaaag ctgatgacct caaattcgtg gcttcccagt tcagacgtct tcacagcaaa 420

cagctaagac atactttcag gtactactca caacaatgga agacttgggc c 471

<210> 5588
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-H4

<400> 5588

ccggtccana aaaccgggcc canacttgtt gccgatttnt ggatccggtc atcaactttg 60

ttgtttattt gtcatcaatg caaaaattga gagcgtctgt gttttcactt gcatgttatc 120

aattcctaat gttgtttgcc gtttcattaa ccggattcga gactcttccc gctggatttc 180

tttttttcac gtcttctttt ctatttttta tggatttggt attttgacat gttaagcaac 240

cttcgttaat cagtttaaaa tcggtgcttt ccgaaatttt tagaagaaac atggaagctt 300

aaaattttga aattgctatt tggaaaagct atcatttcat aggcttagtc tttgtaattc 360

ttctttactt gttgttcatt ggcatgaata tatgaaggat tttatatttg attgtgtgtt 420

tgtttatgtt gttagaaatt gatcaaaatg ggaaaa 456

<210> 5589
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-H9

<400> 5589

ngtnccggtc aaaaattaac gggtcgaccc acgcgtccga gatttcttgg tgatgctttg 60

cgcgttcttt ggtgtcattt tcctatccgt tcaaaacggt ctagccattg cggtggggct 120

atcgttgttc aagatattga tgcaagtaac aaggccgaaa atggttataa tgggtaatat 180

tcctggaacg gatatatacc gagatcttca tcattacaaa gaagcacaaa ggatcccggg 240

atttcttgtt ttaagcatcg aatctcctgt caatttcgcc aattctaact acctcactga 300

aagaacatct cgttggattg aagaatgcga agaagangaa gctcaagaga agcattctag 360

cctacagttc ttgattcttg aaatgtcagc cntgagcggt gtagacacaa acgggagtgt 420

ccttttttaa ggaacttaaa gaaaacaanc gccaagaagg acatccagcn tgtgtttgtg 480

aaacctctaa gcgaa 495

<210> 5590
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-A10

<400> 5590

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gctatgtcgt ccggatttct tcgtcaaggc cgtccggttt gtcaaccggc ttcagcccga 120

catccatatg cctcttgtga tgtggtttgt cggttacttt cccggaatct tctggctcct 180

ttagcagaat tgtccggtgt cgccgtcctc catcggttgg ttcctctacc aacggtggtt 240

ggctcttgtc tagcttctcc gtcgtccctc tccggcggtt taggctagct tttggccgga 300

tttcttttcc ggttttgttt tatgttctcg ttttctatag atccaagttt gattttgctc 360

cnttgtgttc naacncgtaa agggctcaat tccttgaaac tccnttgttt aangggccaa 420

nttgtttttc aagcgtatcg atttcaatta agt 453

<210> 5591
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-E10

<400> 5591

atanccgggt cgacccacgc gtccgcccac gcgtccggaa ctagccactg cgatcggaga 60

agaaaaagct cgagagacgc catggaaatt tcccaagctc gttcaagctt cgtttgtctt 120

cttcttctgt tactctccat gtgtttcgtt ccctgcgtct tttccaaatc tcctcgtcct 180

atctccgatg tggagatcag gcagaagaag agcgaatgct acggtgatat agagagtggg 240

ttatggggtt ggcaatgcaa atcttctgca atagcgaaag agaattgtgc gctgcgatgc 300

ctttctccgg tttgctatca actcatttat gagagtgatc cgcttgaaga aggtgaaaaa 360

gatttgatta ngagccaaga atacaagtat gtatgtacaa gtcatcactc ggggaaaagc 420

ttanaaggtg ttcgaagcat cttttgatgg tatcaaataa gactttctca n 471

<210> 5592
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-B2

<400> 5592

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tgcgtgcctt acccggctca aggccacatc aatccgatgc tgaaagtggc taaactcctc 120

tacgctaaag gctttcacgt caccttcgtt aacactctct acaaccacaa ccgtctcctc 180

cggtcccgtg gtcccaacgc gctcgacggg tttccttcat tccggttcga gtccatccct 240

gacggtctac cggagactga tggcgatagg acgcagcata ctcctaccgt ttgcatgtcc 300

attgagaaaa actgtctcgc tccattcaaa gagattctgc gccggatnaa cgataaagat 360

gatgttcctc cagtgagttg tattgtatcg gacggtgtga tgaattttac tcctgacgca 420

gccgangaac t 431

<210> 5593
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-015-Q1-E1-B4

<400> 5593

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tctgttctaa ttgttacggc gatctttgtc tcaaacaaca acaacaatcc tcctccatca 120

aatccaccgt tgaatcttcc ctctctgtat ctcctccgtc gtcatcatca tcggagatct 180

cttctccgat catccctcct ctccttaaaa atccatcagt caagctagag gtaccggaga 240

aaaaggcggt gatttcgctg ccgacgacgg agcagaatca gcaacagagg ccgaatcggt 300

gcacgacgtg taggaaacgg gtcgggttaa ccggattcaa gtgccggtgc ggtacgatgt 360

tttgcggggt tcaaaggtac ccggagatcc atggatgcag ctacgatttc aaatcggccg 420

gacttaaaga gat 433

<210> 5594
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-B7

<400> 5594

acgcgtccgc ccacgcgtcc gcccacgcgt ccgggctgag aaaggtcata cggtcacttt 60

tttgattccc aagaaagctc tgaaacagtt ggaaaatctc aatctgtttc cacacaacat 120

tgtctttcgc tctgtcaccg tccctcatgt ggatggtctc cccgttggca cagagacagt 180

ctctgagatc cccgtgacat cagctgatct cttgatgtct gctatggatc tcacacgtga 240

tcaagttgaa ggtgtggtcc gagccgtgga accggacctg atcttctttg acttcgctca 300

ttggattcca gaggtagcta aagactttgg gcttaagact gtaaaagtta cgtcgtggta 360

tctgcatccg actatancta gtaagccttg gttccaangg tggttaattt angttgtttc 420

ctccgcccgg ggataaccct ttcaa 445

<210> 5595
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-C1

<400> 5595

cgggtcgagc cacgcgtccg anagaaacaa acgatggttt tgacaaaaac cgcaacgaat 60

gatgaatctg tctgcaccat gttcggatct cgctatgttc gcactacact tcccaagtat 120

gagattggtg agaattcgat accgaaagac gctgcgtatc agatcataaa agatgagctg 180

atgcttgatg gtaacccaag gcttnaccta ncttcttttg tgactacatg gatggaacca 240

gagtgtgaca aactcatcat ggactctntc aanaacgaac tacnttgata tggatgagta 300

ccctgtcaca actgaactcc anaacccgat gtgtnaacat tatagntcga ctggttcaaa 360

tgcccccact cccaaggaat cctgagaacn gccnggtgng gaantanggg acaatttggg 420

gtccntcaag aaaanccatc aatgttaanc cccggaattg ggccttcaaa aa 472

<210> 5596
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-C10

<400> 5596

aaaacgggtc gacccacgcg tccgctgant tggatgttat acagaaacat ctatttgaag 60

acttgatgat ccctgatggt ttcattgaag attttgtctt tgatgatact gcttttgtct 120

ccggactctg gtctctagaa ccctttaacc cagttccgaa actggaacct agttcacctg 180

ttcttgatcc agattcctat gtccaagaga ttctgcaaat ggannnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nntgaggttg agactgtctc aaaccggaaa aaaacaaaga 300

ggtttgaaga aacgagacat tacagangcg tgaagaagga agccatgggg ggaaatttgc 360

agcagagatt cgagattcgg caaaagaaag gatncaagat ttggttangc acttttgaga 420

gtgatattga tgctgcaagg gcttacgact atgcagcttt taagctcang ggaaga 476

<210> 5597
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-C11

<400> 5597

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ttgggatgaa atgggcgaag tacttggttg gtatatgcgc tttaaaggga atgaccacaa 120

gcctgcttgt tggctctcta ggccaagctc ggtacaccac tcagattgct cggtctcata 180

tgattcctcc atggtttgct ttggttcatc caaaaacagg aacccctatt tatgctactc 240

tccttgtaac catactcagt tcaataatat ccttcttcac cagcttagag gttttatcaa 300

gcgttttctc ctttgctaac ctcttcattt tcaagcncct ggcaattagc attgcttgtg 360

anactttnct aacgttgaaa nggatnncac tcctgaaagg ccggtttgtt naaantttcc 420

cggggttttc ccggtttttt gaaaaatggc ttccctccat tgggan 466

<210> 5598
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-C5

<400> 5598

acgcgtccgg tccacgggcc ttgtaccgtg gttggcttcc atcagtgatt ggagttgttc 60

catatgtggg cttgaacttt tcggtgtatg agtctctaaa ggactggcta gttaaagaga 120

acccatacgg tctantagaa aacaatgagc tgacggttgt aacgaggctc acttgtggtg 180

caatagctgg aacagttggt caaacaattg cttatccact ggatgtgatt cgtaggagaa 240

tgcaaatggt cgggtggaaa gatgcttccg ctattgtaac angcnaaggg agaagcacag 300

cttcacttga atacactggt atggtcgatg catttagaan aacagttcng tcatgaaagc 360

cttggagcat tgtacnnngg gtttggtccc caantcagtt aaangttgta ccaac 415

<210> 5599
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-015-Q1-E1-C8

<400> 5599

acgcgtccga attttgcaaa acagcgaaaa tagttctttg tgattttcga gtgagagaga 60

cgacagcttc cattatcccc tgtctctctc cctctcgaac tacaaatcaa attcgagtgt 120

tttcatattg ttaatctttt tcttcaagga aagaagagat tttgttttcc gtttctgggg 180

gtttttcttg attctgatct ctgatctgat ctcatcatca ttgtccgtgg attctccgat 240

gggtttctga ttgtgggttc tttcaaattt cttcactttt ggagctttc ttctctctgt 300

cttttgtttt ccctcagcta tggcttggaa tgagaccaaa ctcaagaggc tctatcaagt 360

ttggagagga agcaataaat ttctatgtgg cgggaggcta atatttggtc ctgatgcatc 420

atctct 426

<210> 5600
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-D1

<400> 5600

ctgttacttt gccggtcccg gtccanaatn cacgggcntc accccaactg tantagtact 60

gttcgtcttt cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnccc ttaaaactca aacactaaaa aattttcagt gtcgattcaa aaagttttgt 180

tatttgatct gtttctgtgt aaaaaaaatg gtgaaagatc tggttgggta tagattttat 240

ccaacgggag aggaattgat aaaccattat ctaaagaaca naattttggg taagacttgg 300

ctcgtcgacg aagccattag cgangatcaa catctgtagt tacgacccaa tttacttgcc 360

ttctttatcg angataaaat cggatgatcc tgtgtggtac ttcttctgtc caaaggagta 420

tacttctgcg aagaanaagg taacgaagag gactacaagt tcanggtatt gga 473

<210> 5601
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-D12

<400> 5601

acgcgtccga gaagcactta cgggtatgga tttagtgatc atacctgctg gtgttccgag 60

gaaaccaggg atgacgaggg atgatctgtt taacattaat gctgggattg tgaggacact 120

ctctgaagct atagctaaat gttgtcctaa agcaattgtg aatataatca gtaatccggt 180

gaactccacg gtgccaatcg cagctgaggt tttcaagaaa gctggaacct ttgatccaaa 240

gaaactcatg ggtgtcacta tgcttgatgt tgttagagct aataccttttg tggcggaagt 300

aatgagtctt gattcccgtg aagttgaagt tccggttgtt ggaagacacg cangaattac 360

gattttacca ctgctttccc angtgaaacc tccttgctcc gttcactcaa aaagagattg 420

aatatctcac anaccgcatc caaaaacggt ggcactgaa 459

<210> 5602
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-D2

<400> 5602

acgcgtccgc aggaattgtt gcacttctca aagctctgca tcctgattgg tctcctgctg 60

ccattagatc agctattgtc actacagctt ggagaacaga tccatttgga gagcagatat 120

ttgcagaagg gtcacctagg aagccagctg atccattcga ctatggtgga ggccttgtga 180

atccagagaa agctacaaaa ccaggtcttg tatatgactt gggactcgaa gactatgttc 240

tctacatgtg ttctgttggt tacaacgaga cttcaatctc tcagcttgtc ggtaaaggaa 300

ctgtctgttc gtatcccaaa ccatctgttc ttgatttcaa cttgccttct atcacaattc 360

caaatctcaa agaagaagtc actcttccca gaaccctcac taacgttgga ccacttgagt 420

cngtcataaa 430

<210> 5603
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-D7

<400> 5603

agnccgggac tgtaccgaaa cntgaaattc gcgggtccga cccacgcgtc cgatcaaaca 60

tcacatttct tcctcttttc tctctttttt ctcagtcttc aaagagtttc ttagtaaccc 120

aaatcaatgg caggtatcaa agttttcgga cacccagctt cgnntgccan caggagagtc 180

ctcatcgccc tccacgagaa aaacctcgac tttgagctcg ttcatgtcga actcaaagac 240

ggtgagcaca agaaggagcc nttcctctcc cgcaaccctt ttggtcaggt tccaagcctt 300

tgaagatgga gacctcaagc tcttcgaatc angagcgatn actcagtaca tagctcaccg 360

gntatgaaaa ncaaggaacc anncttctcc aagaccgact ccaaggaaca tatctcangt 420

acgcaatcat ggccattgga atgcaagtna gaagattagc aagttcganc cagttg 476

<210> 5604
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-D9

<400> 5604

caacttctac gttgtacgtc ccggtcatna attaacgggt cgacccacgc gtccgcctta 60

ttccattagg atacttcttg aatcggccat acgtaactgt gatgagttcc aagttaagag 120

caaagatgtt gagaagattc ttgattggga gaatacttct cccangcagg ttgagattcc 180

gttcaagcct gctcgggttc ttcttcagga ctttactggt gttcctgctg ttgttgatct 240

tgcttgcatg agagatgcca tgaataatct cggtggtgat tctaanaaaa ttaatccgct 300

ggtccctgta gatcttgtca ttgatcactc cgttcaggtg gatgtggcga agatcagaga 360

acgcagttgc aaggcaanan atggagnctt ggagttccaa gccgttaacn atggaaaaga 420

atttggtttt cctnangtgg gggattcgaa ggccctttc anaagcatgc cttggtngnt 480

acctcntngg gaatnnggga atagtttcan nccaagttca gccctangaa atagc 535

<210> 5605
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-B12

<400> 5605

acgcgtccga ttccttgcta tcactatcca caaactcgca agttactctc tcattcctca 60

tcgtaccctc tttactcagg tattttctga agttaaaaga tagaaataat gtctgaaaag 120

gtgggagcga tgggtggtaa caagggtgga gcattcgacg atggtgtttt tgatggtgtg 180

aagaaagtaa ttgttggaaa agacttcaac aatgtaactt atatcaaggt tgaatacgaa 240

aaggacggaa aattcgaaat tcgtgaacac gggactaatc gcgggcagct aaaagagttt 300

tcaagtggat tatccgaaan gaatatatca cagccgttgg tggaaactac gaacacgngt 360

tttcgggtta ngggttaanc gtttgaatca anttcattaa ctcttcaaaa accncttaat 420

ggaannaacc tctccaaatc cttgggtcan acgaacatta ctnagggaat ccaa 474

<210> 5606
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-B2

<400> 5606

gggcccggtc acnaattaac gggtcgancc acgcgtccga gaatgtcttc tccttctgat 60

tctcgtctct ctgtgtctcc gggataagta atcgaagatg aatatgattc agcgattcat 120

gcaatctatg gcaaagacgc gtggcctctg tcatccagat tgcgtaaaag caagtagtga 180

gcaagaagat tacgatgcgt ctcagctcag tatttggtgg ataatgctgg gaaggaagac 240

gaccagggag aaatggatga accaagctct cagttcacta tcgaaaactt gcatcagtat 300

atggtggaaa atgtctggaa taagaggtaa gatgtgcagg gagagggagc aaccactcac 360

tgtcaaagac tgccttgaat gtgctttcaa gaaagggcta ccgagaagag aacattgggc 420

acatgtggga tgtacattca agggtccccc atttgccttg tcacaa 466

<210> 5607
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-B4

<400> 5607

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ttgactgatt atcttcttgt accgtacacg agacagaatc tgacgtggac gcagcacgcg 120

tttaacgaga gtatcggaga gattcagggg attgcgacgg ctgcgtttga gaggctcaaa 180

ggacggtggg cttgtttgca gaaacggacg gaggtgaagc ttcaggatct gccgtacgtg 240

cttggagctt gttgtgtgtt gcataacatt tgtgagatga ggaaggagga gatgttgccg 300

gagttgaagt ttgaggtttt tgatgatgtg gcggtgccgg agaataatat ccgatctgct 360

agtgcggtta atacgaggga tcatatctct cacaatctct tgcatcgtgg acttgccggg 420

acaagaactc tataggctct gtttttcacc ttttcctaat ttgaaactga tttttta 477

<210> 5608
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-B5

<400> 5608

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagatccag 120

ttttagggtt ttcttctctg tgagcgaaga tgcgtgagat tcttcatatt caaggaggtc 180

aatgcggaaa ccaaatcggt tccaagtttt gggaagtggt taatctcgag cacgggattg 240

atcagacggg acggtatgta ggagattccg agttacagct tgagagggtt aatgtatact 300

acaacgaggc gagttgtgga aggtacgttc ctcgcgctgt tctcatggat ttggagcctg 360

gaaccatgga caagtgtcaa gatctggtcc gtacggtcag atctttcgac cggataactt 420

cgtcctcggt cagtccggtg ctgggaataa ctgggctaaa agtcactac 469

<210> 5609
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-C10

<400> 5609

attcccgggn cgacccacgc gtccnatcta ctcttaataa cgatcaacag tggagacatg 60

tactacaact accactgtct cacaagaaag gtgtaacttg tatcaccgct tatatggttt 120

ctgaaaccga tgcaatgttt gcttcagctt cttctgatgg agttgtgaat gtctgggatg 180

tttcttttcc gtctcagcct agtgaggaat gtaaagtggt gtgtctggac tctatctgtg 240

ttgacactaa agcaattgta acgctttcat tagcggaatt gcctcaaaat cctggtcgat 300

ttgcccttgc tttgggcgga ttggacaaca aaatcaaact ttactctgga gaaagaacag 360

gaaagtttac ttctgtttgt gagcttaaag gccacacgga ctgggattcn gagtttggac 420

ttctcattac cgttacacac aacagaagaa atacccaa 458

<210> 5610
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-C9

<400> 5610

acgcgtccgc tcagagaaaa agaaagaaag aaaaaaagct tcgtgctcct tcaccttccc 60

aaatcggaaa acaatgcacg ccaaaaccga ttccgaggta acaagcctcg cagcatcatc 120

accagccaga tctccacgta gaccaagtct actacgtcca atcaccatca cgcgactctc 180

acgacggaga aaaaacagca acatcgtttc actcaactcc agtactaagt ccgatgggat 240

ctccaccgca ttctcactca tctatgggtc gtcactcacg tgaatcatct tctagtcgat 300

tctctggctc tttaaagcct ggatctagaa aagtcaaccc taacgatggt tctaaacgga 360

aaggtcacgg cggtgagaaa cagtggaaag aatgtgcggt tattgaagaa aaaggtttgt 420

tagatgatgg tgatngaaac cggggg 446

<210> 5611
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-D4

<400> 5611

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ttcgtctcgt caatggcggc catttctgta agttcttcac catctattcg ctgcttgaga 120

tcggcatgtt ccgattcttc tcctgctctt gtatcctcga cgcgtgtatc gttcccggcg 180

aagatttcat atctctccgg tatatcttcg caccgtggcg atgaaatggg taagagaatg 240

gaaggattcg ttagaagcgt cgatgggaag atctctgatg cgtctttctc cgaagcttca 300

tctgcgactc caaaatcgaa ggtgaggaag cacacaattt cagtatttgt tggagacgaa 360

agcggaatga ttaatangat tgcangagtg tttgcaagga gaggatacaa tattgagagt 420

cctgccngtg ggctgnaaan anacaaaggt ctaaatcacc aana 464

<210> 5612
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-D5

<400> 5612

ncccgggcgg tacaagtcan aaattcccgg gccgacccac gcgtccngtt ctctctcttc 60

tgaacccaga aaccctgaag tggaggcgtt gataaacata aagaacgagt tacatgatcc 120

acatggtgtt ttcaaaaact gggatgagtt ttctgttgat ccttgtagct ggactatgat 180

ctcttgttct tcagacaacc tcgtaattgg cttaggagct ccaagtcagt ctctttcagg 240

aactttatct gggtctattg gaaatctcac taatcttcga caagtgtcat tacagaacaa 300

taacatctcc ggtaaaatcc caccggagat ttgttctctt cccaaattac agactctgga 360

tttatccaat aaccggttct ccggtgaaat ccccggttct gttaaccagc tgagtaatct 420

ccaatatctg aggttgaaca acanctcatt atctgggccc tttcct 466

<210> 5613
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-E10

<400> 5613

ctctagccgg gacggtaccg ntcatnaatt cccgggccga cccacgcgtc canaaaagtc 60

tgaagcagag agacatactt acatatgtgt gattcttccc taagaggaat tctcaaaaat 120

caaagcatct ctcctcttct tcctaaacgt cgacgagtgg agtccttggc gcgatcaaga 180

ttcaaaagaa attcggggac tactactact caagactaaa taagatagga aatgggttga 240

tacaaagaag ttgtcctttt aagaattcca tcactaggag ttggaaagtc tgaaccagag 300

actttggtgt gcttctccaa aaacgacgag agtccagcgt ctagcagtat cangcaactc 360

tcttcntact agattcnttc acaccatcan naaggagcca ttatgggagg gggaacttgt 420

gtcgtttgca ggtanacang ctttgggacc tactgagcca ngaatacacg cnacttcacg 480

ggagt 485

<210> 5614
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-E12

<400> 5614

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gggcatgagt gttctcgttt ctcaggtgaa tcgtctccgg aaaatgaaca aaccagtcat 120

cggagttggt tgcgcttcta ctggagatac ctccgctgct ctctctgctt actgtgcttc 180

cgctggaatc ccctcgattg tcttcttacc tgcggataaa atctccatgg ctcagcttgt 240

gcagccgatt gcaaacggag cgtttgtgct tagtattgan actgattttg acggatgtat 300

gcatttgatc agagaagtta cgggcgngag cttcctattt actttggcga aactctcctc 360

aaacangnct ccgtctccna aagggtcaan angacgggag gcgattgaan attcctgc 418

<210> 5615
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-E3

<400> 5615

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aagtttgttg gaagagatcg aacgtgagtt tgaagctgct acaaaagaac ttgaacaact 120

aaaggttaat gacttcaccg gggacaaaga tgacgaagaa cactctgcaa agagaaaaag 180

tatgcttgaa gctattgaac gcgagtttga agctgctatg gaaggcattg aagcacttaa 240

ggtttctgat tccacaggaa gcggagatga tgaagaacaa tctgcaaaga gactaagtat 300

gcttgaagag atcgaacggg aatttgaagc tgcttcaaaa ggtcttgaac aactaagggc 360

tagcgattca accgcggaca ataacgaaga agaacacgct gcaaagggac aaagtttgtt 420

agaagagatn gaacganagt tcgaagctgc tacagagaac cctta 465

<210> 5616
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-E7

<400> 5616

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gagcattctc aagttgggtg attcggtacg gattactgat ttgggagaga aaaaccctag 120

attggaatta gattctgggt tcttgggcta aaggtttctt catctccttc gaatcatcct 180

tttagggagc aagacgatga gtagaaaccc tttcctggat cctactcttc aagaaattct 240

tcaagtgatt aaacccacac gagcagatag ggatacgagg atcacagtca ttgatcaagt 300

tgcgtgacgt cttacaatcc gtanaatgtt taagaggtgc tactgttcaa ccatttggga 360

tcctttgtgt caaatctctt cacacgatgg gggagactta gatatctctg ttgactaatc 420

agcggttctc catccttggt cactg 445

<210> 5617
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-013-Q1-E1-F12

<400> 5617

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cattgcctat ttgacgaacc aggaaatggt taaaaggcat ggagagtttt gatttacaag 180

atatatcatg tcgcagtgca tagacggttt caagcatgta tgctcctctt ttttccggtg 240

ttttgatatc gatatttaca aacaatctgg aggccttggt gaccctgaac ttcttgcgag 300

agagacatta gcgtgagtga aatagaggct ctctatgagc tgtttaagaa aatcagcagt 360

gctgtgattg atgatgggct aataaacaag gaagaattca gttagccttg ttcaagacaa 420

ataaaaaaga gaacttgttt gca 443

<210> 5618
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-B11

<400> 5618

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ggactcgtat tgaagggcat tatgcgcgcc cacaccgaca ttgtcacggc catcgctacg 120

ccgatcgaca attccgacat catcgtcaca gcgtcgcgtg acaaatccat catcctctgg 180

aaactcacaa aggacgataa gtcttacggt gttgctcagc gtaggctcac aggtcactct 240

cacttcgtgg aagatgttgt tctctcatcg gacggtcagt ttgcactctc cggaagctgg 300

gacggtgagc tccgtctctg ggatcttgcc acgggagaaa caactcgtcg attcgttggt 360

catacgaaag atgtgctctc tgttgcattc tctactgata accggcagat cgtgtctgcn 420

tctcgtgatc gtacnataaa c 441

<210> 5619
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-F9

<400> 5619

caaaccgggt ccggccacgc gtccgaccaa ncgtccggtt cgatctagct aggcatcatg 60

caccttcgac aatatttctt gatgagatcg acgcgatcat aagccaacgt ggtggtgaag 120

gccgcagtga acatgaagct agcaggcgtc tcaaaaccga nctgctcatt canatggatg 180

ggttacagaa aacgaatgag ctcgtatttg ttttagcagc aacaaatctc ccctgggaac 240

tatatgcagc tatgctccgg cgtctanaga aacgaattcn tgtaccttta ccggatccag 300

aagcaagaag aggaatgttc gagatgctta taccgtcaca accaggtgat gagccattgc 360

ctcatgatgt gttggttgag aaatctgagg ggctactctg gttcaagaca ttcgaatact 420

ttgtaaggaa ctgcgatgca ancactga 448

<210> 5620
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-G1

<400> 5620

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aatgtttttt ttgaagggag agaagatttg atttgctaac aaagtggcga aagaagggtg 120

gagtcttttt gatgggatat acaaatttta gaaacctgtc tcttgggagg ggggtgaang 180

acttaantgc ggccataggg atctgtaatg ccttgaggga tggacctgat atacttgttt 240

gcgacnaggc tcacatcatt aagaacacca aggctgacac aacgcaanca ttgaagcaag 300

ttaaatgcca gagaanaatt gcccttaact ggctcacccc ttcaaagaca atctcatgga 360

gtattnnatg tatgggttga ttttgtgaga agaaggattc tttgnngaaa nttccccccn 420

gaantttag naaaccgctt ccaanantcc caatagaaac acggncatca atatganttc 480

aactggc 487

<210> 5621
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-G4

<400> 5621

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tactccgacg ttttggtcaa acccttctct ctccatcaca ctatccctca accgccgtgc 120

tacaccgtgt tacttcaaca ccggagtgat ggtcatcgag ttaaagaaat ggcgagaagg 180

agattacacg aggaagatca tagagtggat ggagttacan aaacggataa gaatctacga 240

gttaggctct ttaccancgt ttttacttgt cttcgccgga aacatagctc cggtagatca 300

ccggtggaac caacacggtt taggaggaga taattttaag aggactgtgt ccaagatttg 360

catccaaggt ccagtgaagt ttgttgcntt ggantgggaa agggaaccca tgggtaangg 420

tagatganng gccaacttgc ccgcttgann cnccttgggg ttcaaangga ttgtacg 477

<210> 5622
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-G8

<400> 5622

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cttggtctgc tataagtaaa gaaaccaagt cactaatcca tttgaatggt gttgcttcag 120

tcgcatcatc ccatctatct ggcttcagag ccaagaaaag tagtaatggt ctcaaagatc 180

atgggaggcc aaaattttca tttaactcac atactcatgg agaaacgtca tccaagataa 240

gtgacatggc tgaaatcttt gagcctgatg tggaggatca ggctatagaa gaggatccaa 300

ttattgaatg ccccaacagt tttgatgaaa gatcagaaaa caggcagggt gtttctgttg 360

ctgagtcgag agaagttttg cacgagtgca ctaaagatgc ggtacccaag cttcaagaaa 420

ttcctctaga taaaattaga cctganaaaa agaagctctg aactg 465

<210> 5623
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-H1

<400> 5623

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gaaaccggaa tcaccatgga ttttcctccg acgaagcttg attatcatgt agacatgttc 120

aatcttcagt ctcattccag atttcnctcc ttatttaagg cgcaagatgg acgcatagct 180

ctaatactag aatcaacggt gtttcatcca caaggtggtg gccagccgtc agacaccggt 240

ttaattgttt tctccggttc ggatttgaaa ttttccgttc aagatgttcg atcgaaagac 300

ggaattgttc tccattacgg agttttcgaa ggttcgaatc ctgaaagtgg attgatagtg 360

agaaagggaa agaatttact taactgttga tgaatcaaag gcgtaaactc aattcaagtt 420

tgcactcaag ctggacactt gctagataat gtgttatgca anaaagttgg gtt 473

<210> 5624
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-H2

<400> 5624

acgcgtccga ncgtttcgtc ctcttcgttt ccttcttcca ttaatacaaa gcaaatccta 60

ctctgaaagc ttctttattc aacctctcta cttcagtttc tctgtcccca tttttcatct 120

gagagttaaa actgtaacct caaaatctga gataaagtca aaaaaaaaac cccagtttat 180

gattctcatt ttctctttat aatcgaaagc ttcgattttt aacaaaaccc agaannnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngga atattgggtg 300

agaatctgag taatgggatt tacataaaaa gattctatgt aaatactaaa ataatctgga 360

aattattaaa tttccaaact ttgtgttcca ttttgtggac tcaaatttgt ttaaaaagat 420

ntcaaatcaa gagagattga gaanacca 448

<210> 5625
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-H3

<400> 5625

acgcgtccgn nngacgcgtg ggtcagtaga tcggaaaatg gagccatgga ttgacgaatt 60

aaccgacgac ttacagagtg taangcttta catcagccgg aaccaccgtg aatcgaagca 120

caagctccgg ttctcgctct tcctcctccg ccgcagcttt aacaccagca ccatcagctc 180

acggttcatt ctcatcttcg aaactccctc cttcactccg atcatctctc tcactctccg 240

atctcagatt ccgtctccgt ctcggttccg gcgacatcgg ctctgttttc ttagccgaat 300

tcaaatccct aaccgccgta ananaancca ccgccgtnaa attacctctg ttagcagnga 360

aagttatgga taanatagga gctcgcgagc agaagcanat anngtananc taagacggag 420

nagagagaat ctccgaatcc cctgatcatn c 451

<210> 5626
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-H6

<400> 5626

cttcttcttc gttgccactg ccccaattaa ctctgtctat ctctctcttc atcccctaga 60

ttgaaactaa ttgcaattgg agtgtatatt gcagtatcta gtttttgant ctctgggtat 120

tcctttatgg atccagtaga tatggttgtg tcacagccaa ttacgcctgn tcaggtttcg 180

tttctgcttg gagtcattcc tcttatgata gcatggctat actcggaatt tctggagtat 240

aggaggtctt cttttcacgc taaagttcat tcangataac aatttggttg aactggaaat 300

ggtgacganc aaagangatg anngaacagt tttaatggaa ggaggtcttc caagatctgn 360

ctcttcangg tttatacgct cagcgantcc acaatanatt tgattnngtt tctgacnttg 420

gaagact 427

<210> 5627
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-H9

<400> 5627

gcatgccaag tctccaaatc atggaaccgc gccgtctttt actccctccg ccgccttaaa 60

accatgccgt ggttgttcgt ctacaaccag agaaattctc cgccgtacac catggcgacg 120

atggcgatgg cttatgatcc caagtccgag gcctggatcg agctcaacac cgcatcatct 180

cccgtcgaac acgtctccgt tgctcgatcc tctcactcca cgttgctcta cgctttatct 240

ccggcgagat tctctttctc aaccgacgcg tttcatctga cttggcaaca cgtggcaccg 300

cccganaagt ttggaggatc gatccaatcg tgggctgtaa tcggacggga gnctgantat 360

aacccggang tgtgtgccaa tttccaaggg aggatagant cnccctggng ctgttcgnna 420

tctcaatccg ggagaacggn cctgg 445

<210> 5628
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-A12

<400> 5628

gtaccanact cgacattcgc nggccgaccc acgcgtccaa nagagaagag agaaacattt 60

cgagacaaat ggccgccgcc gctgctcgtc ctctcgtcac catccaaacc ttggatggtg 120

acatgtccac cgatcaatcc tccaccgtcg tacttcccga cgtcatgacg gcgccagttc 180

gaccagacat cgttaacttc gttcacgccc aaatctccaa caacagccgt cagccatacg 240

ccgtatcgaa gaaggccggt caccagacct ccgccgagtc ctggggaacc ggacgtgccg 300

tgtctcgtat ccctcgtgtt cccggtggtg gtactcaccg tgctggtcaa gctgcgttcg 360

gtaacatgtg tcgtggtggt cgtatgttcg ctccanccac gatctggcgc cgctggcacc 420

gtcgtgtcaa tgtcaacatg aagcgtcacg caatccgtct caactatcgn tggaact 477

<210> 5629
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-A5

<400> 5629

acgcgtccgc tctgtttgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc tatggacgct ataaggaagc agcttgatgt 120

gctcatggga gctaaccgaa acggcgacgt tcaggaggtg aatcgcaaat actacgaccg 180

tgatgtgtgt cgtctttact tgtctggtct ctgccctcac gatctcttcc aattgacgaa 240

aatggatatg ggaccatgcc caaaggtgca ctctttgcag cttcggaaag aataccgaga 300

agcaagggca aaaggtgttg ataactacga cagggaattg gaagatgcca tagacaggct 360

tatcgttgag tgtgatanga agattggtan ggcccttaag cgtcttcaag aagangacgc 420

caaagct 427

<210> 5630
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-A6

<400> 5630

attcccgggn cgacccacgn gtccngagag aagagagaaa catttcgaga caaatggccg 60

ccgccgctgc tcgtcctctc gtcaccatcc aaaccttgga tggtgacatg tccaccgatc 120

aatcctccac cgtcgtactt cccgacgtca tgacggcgcc agttcgacca gacatcgtta 180

acttcgttca cgcccaaatc tccaacaaca gccgtcagcc atacgccgta tcgaagaagg 240

ccggtcacca gacctccgcc gagtcctggg gaaccggacg tgccgtgtct cgtatccctc 300

gtgttcccgg tggtggtact caccgtgctg gtcaagctgc gttcggtaac atgtgtcgtg 360

gtggtcgtat gttcgctcca accaagatct ggcgccgctg gcaccgtcgt gtcaatgtca 420

acatgaagcg tcaccaatcg tctc 444

<210> 5631
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-A8

<400> 5631

tcccgggccg acccacgngt ccanttctct cntccgtcaa tatggaaggc gtcaccgtcg 60

tgtctttctt ccttcttttc ancgccaccg ccatggtcgc caagtccacc gtctccttcc 120

gtgacggcga tgttaccaaa cggagacttc gagctangac caagtccatc agacatgaaa 180

ggaacagaaa tactaaacan actaccaata ccaaactggg aagtcacagg nttcgtcgaa 240

tacattaaat cangacatan acaaggtgac atgcttctcg ttgttcccgc cggtaaattc 300

gtgtaagact tgggaacgaa gcatcgatca aacagnagac ttanagtggt taanggaatg 360

tattactcac tcacttttag ngctgctaga acttgtgcac aanacgagga gacttaacat 420

atctgtagca cctgacnccg gtgtga 446

<210> 5632
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-013-Q1-E1-B10

<400> 5632

acgcgtccgc ggacgcgtgg gttggaggac acagagaagc gcaaattatc agacagagtg 60

agaacgaaga agaagaaagc acaggatgct aagcttgaga tattcattac cttatcttct 120

tcttcaaaca agggaatcat caactaagct cttcaccaaa aagcctaaca atgttgtggt 180

ttgtgcggcg agaggtccaa gacctcggtc tcctcgtgta tggaaaacaa ggaagaggat 240

tggaactatc tctaaagctg ccaaaatgat tgcttgtata aaaggattgt cgaatgttaa 300

agaagaagtt tatggagcgc ttgattcctt cattgcttgg gaattagagt tccctcttgt 360

tatagttaag aaggcattag ttatacttga agatgaaaaa gaatggaaga agattattca 420

ggtgacaaaa tggatgctga gtaaaa 446

<210> 5633
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-F7

<400> 5633

gtcnacccac gcgtccgaaa agatggtttt gacaaaaacc gcaacgaatg atgaatctgt 60

ctgcaccatg ttcggatctc gctatgttcg cactacactt cccaagtatg agattggtga 120

gaatncgata ccgaaagacg ctgcgtatca gatcataaaa gatgagctga tgcttgacgg 180

taacccaang cttancctag cttcttttgt gactacatgc gatggancca gagtgtgaca 240

aactcatcat ggactctatc aatagccaac tacgttgata tggatnagta ccctgtcaca 300

actgagctcc atanncgatg tgtagacatn atagctccga ctgttcaatg cgccatncga 360

ggaatctgag accgcggtgg gactanggac agttggttct canangccat cntgttatcc 420

cgaatggccn tc 432

<210> 5634
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-B4

<400> 5634

caacttcttt ccgnccccan cggtccanaa atcccgggtc nacccacgcg tccgnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnatatt tgcagttgac aattcgttct ctttgggaaa 120

ttagagatgc aggcatcaag agcgcgactg tttaaagaat acaaagaggt acagcgagag 180

aaagtagcag atcctgatat tcaattgatc tgtgacgata ccaacatatt caaatggacc 240

gctcttatca aaggaccttc ggagactcct tacgaaggcg gtgtttttca gcttgctttt 300

tctgttcctg aaccttatcc tttgcaacct cctcaagttc gattcttgac caagatattc 360

catcctaatg ttcatttcaa gacagggaga aatatgtctc gacattttga agaatgcttg 420

gagtcctgct tggacgctca atctgtgtgt agagctatca tagcattgat ngctcatcct 480

gagc 484

<210> 5635
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-B8

<400> 5635

acgcgtccgn ccacgcgtcc gcccacgcgt ccgctcagtt tttggtcgaa gttggtgaag 60

tcgccgccgg gacaactcag gttgttacag atgataaaca tgcgagataa tccaacaatg 120

catgtcttac aagcttcaaa gtttctattt ttagctctta ttttgatcca gttgctgtct 180

actcaactct ttgctcaaag atctaaaagt ccatggcaaa cactcactgg agatgctccc 240

cttgtcattg ctcgtggtgg gttttctggg ttgttgccag attcaagtct cgatgcttac 300

agttttgtat cgcagactag tgttcctggt gctgttcttt ggtgtgatgt gcaactaacg 360

aaagatgcaa ttggactttg cttccctgat gtgaagatga tgaatgcttc caaatattca 420

agatgtttac cctaaaacgg aaaacttctt 450

<210> 5636
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-C3

<400> 5636

aacttcttgc ggnccctan cggtccanaa aatcccgggt cgacccacgc gtccgntctc 60

tctcttttta tctcaccgtc tgatcgctta gaagcaacca tgcctcaggg agattacata 120

gatttgcaca ggaagaggaa tggatatcgc ctcgaccact tcgagagaaa gcgcaagaag 180

gaggcgcgtg aagttcacaa gcactccacc atggctcaaa agtctctagg tatcaagggt 240

aagatgattg ctaagaaaaa ctatgctgag aaagctctca tgaagaaaac attgaaaatg 300

catgaagagt catcatcaag gcgtaaggct gatgagaatg ttcaggaagg agctgttcct 360

gcttatcttc ttgatcgtga agacaccact cgtgccaang ttcttancan caccattnaa 420

caaaannnga aangagaaag ctggcnaatg ggaagttcct cttcnaaagt ccgttcaant 480

tgctgaaaat ga 492

<210> 5637
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-C6

<400> 5637

acgcgtccgg aaacagtcaa gtactgctca gagacttgca ccgattcaag aacataacaa 60

tgaagagaga caagaacaga aaccgataca atcgctcatg gacatgccga tacaatacan 120

agagaagaag caagagattg aagaggagcc taggaattca ggggaaggac catttgtgtt 180

agattcttct gctaaatggg aaacattcga tcatcatccc gtgacgccat tgagctcgac 240

tactgcgaaa aataacgcga tcccgcccag gtttaattgg gaattctttg attgagaaag 300

ttcacatttt gtgaaacttt ttctttcttt tatcttgtat gcttatataa ttcttgtgtg 360

gaagtgttgg ttttttttca ggcttcttcn tcttcttcgt caccatcatt atgattcttt 420

tgatgtacnt at 432

<210> 5638
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-D3

<400> 5638

acgcgtccga atttctagaa atctcagatc cataaaattt tccgaggaga gattctctaa 60

tcagagaacc tcacaatggc cgcatataga gccgacgacg agtacgatta cctcttcaaa 120

gttgtgttaa ttggagactc cggcgttgga aaatccaacc tccttttctcg attcacgcgc 180

aacgagttca gtctcgaatc taaatccacg atcggtgtag aattcgccac tcgtagcatc 240

catgtcgatg ataagatcgt caaagctcag atttgggata ccgctggcca agaaagatat 300

cgagcaatca caagtgcata ttacagagga gctgtaggag cgttgcttgt gtacgatgtc 360

acaagacatg tgacgtttga gaacgttgaa agatggttaa aggagcttcg agatnataca 420

gatgccaata tcgtcatcat gttcgttgg 449

<210> 5639
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-D4

<400> 5639

ctttttttca ggcggccnag cggtccanaa atcccgggtc nacccacgcg tccgaaantc 60

ttagagaagg caacttcggc tctcagcgaa gccaaagaat ccgttacaag caccgctgaa 120

tccgtcacgg cttctctcac tgatgctgag aaaaccgtta accaaaccgc caggagcact 180

ctaactgacg ccgagacaac cgttgcagca tctgttgaaa cggtcaagac cgaggctgca 240

gccgcaccag acaaagcgtc tggtgtgtct acacaggcta aggatgcagt ggacaaagct 300

ttttctagag gtatagaagg agccaaatct ttgcttcaaa ctttcgaagc gaagagcagc 360

gatatttccc tcaaagcttg ttggangtgt taacaatcct gtgaagtgga gcatcgagca 420

ncaaccgtgg caaaaccgag aactttccag tatctacang acaaacaagc ctctgctaan 480

cgtctggtga aaaagaaccc cgttgt 506

<210> 5640
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-D7

<400> 5640

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catcgacctt gctcaaattc atcaaccatg tcttacgatt atctcttcaa gtacataatc 120

atcggagaca caggtgtggg aaaatcgtgt ctgcttctgc aatttactga taagaggttc 180

caaccagtcc acgatctcac cattggtgtt gagttcggtg ctcggatggt caccgtcgat 240

ggacgcnnca tcaaactcca natttgggac accgctggat aananncttt tanatncatc 300

accanatcat actacagagg agcagccgga gctttactgg tttatgacnt cncnaggaga 360

gagacgttta atcatntggc aagcnggttg gaggatgctc ggcaacatgc anatccnaac 420

atgaatatta tgctnattgg gaacaaatgt ga 452

<210> 5641
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-D9

<400> 5641

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acactgacgg tgtgtgtana caccttana tacacacnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntacatt atttttgac 180

agcaattctt agtttctctt ctatcccctt tctgggtttt gtttgaaccc tacctcgctt 240

tggatccagt ggttttaagt taaaggtaaa nttatcgaca gtaagtatat tcctaatggc 300

nggttccaat cnttcatctg ntaaacctgn angagttnta agtgatnctt tatgtactgg 360

agctctggca tgccngtgct ggaccncntg tcncctaac tccntgaagg ggaacncagt 420

ttaatncttc ccggggaang ggcaca 446

<210> 5642
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-E4

<400> 5642

acgcgtccgn tcagatcgaa gaagaagaag aagagcttag caacaatggc ggcgaaaccg 60

attgcgagtc cgattccggt ggcgctgtat ccgactttat cggtgttcac tcttgcgatt 120

ggtctcgtca ttaccgctat cttcttcatc tatgaagcta catcatccag gaaaaaccga 180

agcgtcggaa aggagctcgc tacttcagca gttgcatctg tcttcttggg ttttggatcg 240

ttgtttttgc tacttgctag tggtgtttat gtctgatcct tcttcctcaa tactattccc 300

aactagttca aagacaanga aaacagattt atcnttgttc aagttacaat caggagttat 360

gaatgttaaa gacttgagga agtagccttt aaacnccaag ttacaattaa attatcttcn 420

tcttttaacg ctaaaccgaa ttttgggttc aa 452

<210> 5643
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-E6

<400> 5643

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tattggtagc ttccgtcttg atggtattcc acctgcacca cgtggagttc cacaaatcga 120

ggtcaaattc gacattgatg ccaatggaat tctatctgtc agtgcttcgg acaaaggtac 180

aggaaagaag caggacatca ccattactgg tgctagtacc ttaccaaagg atgaggtaca 240

cacaatggtg caagaagcag agaggtttgc aaaggaagac aaananaaga gagatgcgat 300

tgacacanna gaaccanggc tgactccgtc gtttaccaga caganaagca gcttanagan 360

cttggagaag acaattccag gtccangtga aanacnangt tnangctaag ctcccaggac 420

tgaagggaga nga 433

<210> 5644
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-E8

<400> 5644

acgcgtccgn ccacgcgtcc ggaagaactc aaacgcaaga cagaaagatc aatggcgagc 60

aacggagtta ccaactgtaa cgcaaacgcc aatgtttggc ggttcaaagg aaacggtgca 120

acgagtgatg cggcggcggt gacgttgaga aagcttgctt ttgggatgtt taaaaactgc 180

accatgaaca gtggaaagac cattttgttc ccaactcccg gcgagccctc cgcccattcc 240

aacttcagga cttgcccgga agccgaggaa gccgttgccg cagctgcacg ctccggcatg 300

gctaactctt acgcacccag ccctggagtt ttcaaggcta agaagggcgg tggctgaana 360

tttaaacgga gaattccgac caagcctgan ngccgangat gtgtatatca cc 412

<210> 5645
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-F10

<400> 5645

tatctggccg gcccggtcan accatacccg ggtccgnncc acgcgtccan ccaancgtcc 60

gcccacgcgt ccgaaaagag aatctctcag aaggtgagcc tccaacaata gcgtgaatct 120

ctctttctct ctctatctct ctatctccga gatcgcatca ccggaaatcn ccttctacgg 180

tggtggtggt gacagttgac cagagatggc ggcggagaat gagagaaaat ctccttcagc 240

agtctccgat atgggagctt gggcaatgaa tgtgataagc tccgttggaa tcatcatgng 300

cgaataaaca acttatgtcc tcttctggga ttcgcattta gtttcgctac aactctcaac 360

ggtttccact tcgctttaac cgcattggtc ggtatggtat caaacgctac cggattctct 420

gcttcnaagc atgtacctat gtngggagct tanttgggtc tccattgtcn gcnaatgtcc 480

gctaagtgct ggc 493

<210> 5646
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-F2

<400> 5646

acggtcaaaa tccgggtcga ccacgcgtcc gttcacctcc ccttcttcga atttctctcc 60

ttccctttc atccttttga aatttctcgt ctttcttctt cgaaattgga aactcacagc 120

agcacctgaa aaataacatc anaagcttca agatccaatt tgggtcgttc tgtgttttct 180

tctgatgggt ctcgtcgaaa tgtagaacaa gtttggagat gttgacaatg gacaaggaat 240

ttgattcaaa gcttactctt caagggaatt catcttcaaa tggtgaaact atttccagaa 300

gcaaaagctt cgcctttaag gctcctcang agaatttcac ttaccatgat ttcgagctcg 360

gcaagatcta agggcgttgg ctcttaatcc aaaggttgtt anggcgaaga agaaggataa 420

tgggaactgt gtangccttg aagatnaatg gacaaaaagt ttatcaccaa ggn 473

<210> 5647
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-B3

<400> 5647

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ccgttctttg cggtggttac tttcgcggtt ctggtgcaag gaatgtttat gaggaagctt 120

tcaacgggaa ctcactgggt ctggtctggt gatgaagcat tggagctctt ggaatacttt 180

gctattgctg tgacaatcgt tgtggttgcg gttcctgaag gattgccttt agctgtgact 240

ctaagtcttg cgtttgccat gaagaaaatg atgaacgata aagctcttgt gaggcattta 300

gcagcatgtg agactatggg atctgcaacg acgatttgca gtgacaagac tggtacactc 360

acaaccaatc acatgaccgt tgtgaagtcc tgcatttgca tgaatgtgca agatgttacc 420

aataaaaggt ccancettgc aatccagaaa tcccggaatc ctcngtgaaa ttttttgat 480

caan 484

<210> 5648
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-C3

<400> 5648

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tgacacattg aaggaaattg gtgcttcttc gaagtcaaac tcggtgttca taccgcacgg 120

tccaggcgct gttagggaca ttgcttcaca gatcagggat ggtcttcttc agggtaactc 180

tgctgctgag tagagaaatg tctcaaagta caaaaaggct ttttcagagt tttagagttg 240

tgttactact tgctactcag tttatctttt agcggttggc tctatatggg ttcttaaatt 300

tcttatcgtt tctctcttct aggcttgtgg acttgatcca ttttcttgtt ttatgggttt 360

gtggatagag tttgggcttg aaaaatattg tgttatttgg gttttaatgt cgttaactcg 420

ttattaatgt taaacagtgg ttaaagaatt gttaacgaga aaaaa 465

<210> 5649
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-C5

<400> 5649

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gagaagtcgt acccgaacgt tcggatccgg gttcgggtct actccggcga tgtctcttcc 120

acgtctacgc ttccgattcg tataacttaa cagttcatgt cactgacttc atctccggtg 180

tctggacgac gatcctctcc gtctcgcagc tagacgatat gagggatact gttgggattg 240

gtggttcgtg gtctgagttc gtcgattata ctgttgcttc cttgaaatcc gacaatgtga 300

agcttctctt gggagaaact tcagtttcaa atggtgtcaa aactgcgcga ttagtttctc 360

agaaagccaa aggaatgcct cgcataaatg ttcccttaac aaaagatggt ggaatcatct 420

gctagtgaag caatggcaaa tctgtctctc gagtt 455

<210> 5650
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-C6

<400> 5650

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tctccattaa caaggagaaa cagagcacca ccatcctctg tttcctctgt ttatctaatc 120

tttctctgtt tcttcctcta ctttttaaat ttctcaaacg ctcaatcatc gccggttttc 180

gcctgcgacg tagctgcaaa cccttctctc gccgcctatg gtttctgcaa caccgttttg 240

aagatcgaat accgagtcgc tgatctggtc gcgaggctca cgttgcaaga aaagatcggg 300

tttttagtga gtaaagctaa cggcgtgact cgtcttggga ttccaacgta tgaatggtgg 360

tctgaagcac ttcacggggt ttcttacatc ggacccggga acgcatnttt tctagccaaa 420

gtttcccggg agctaacgaa gttttcccgc aagggtnata actccaacgg ccggcttcgt 480

ttnaaacgta tcctc 495

<210> 5651
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E2-C7

<400> 5651

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aaaggatgcg taatgtggag acctatgtca agtctatcaa gcccgagctg gttgtacaag 120

ccgaacccat tacagatcca tatggccctt ctatcgtaga tgaaaatttg gaagctattg 180

ttgtcagcaa agagacatta cctggtggct tgtcagttaa cagaaaaaga gcagaaagag 240

gtctttcaca gcttaagatt gaagttgtgg aaatagtttc tgatggatcg agtggaaata 300

agataagttc aagtactctg agaaaaatgg aggctgagaa agcgtctaaa caaaaacaac 360

cagcagaaga aaaagcatca tgaactcatc atatataaac tctcaacttt gcatgtaatt 420

taatactctt ttgtatactc aaaatgctgt aaatt 455

<210> 5652
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-010-Q1-E2-C9

<400> 5652

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ttgatagatc ttcactctct gaaagtcaag atcttagtct aggcaagtaa atatgtggta 180

aagcaaagcc cttcttgaaa ttggtcatat atggctggtg gtatcggaaa atggcaggat 240

ttttctcgtt aggacacggc ggaggaggaa acactccaga caaccacaga acaaacacta 300

ataatccttc ttcatcggga acagaatctt ggctttggtg cagaaaccct aactctaacg 360

ctgacggtgg agaagctggt ccttcttaca aaggaaccct tgagctatgg caacanccaa 420

acaatcaaga aatcantttc cagcagcagc aagcaaca 458

<210> 5653
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-D1

<400> 5653

acgcgtccgg tcttaaactc attcattctt tctctctcta taaccagagt tctgtctgtg 60

aaaacacaca aatctaagag aagttatgaa taaacaagat gttatgaaac ttcagacttg 120

tgttctgaaa gtgaacgtac actgtgaagg gtgtaagcat aaagtgaaga aacaattgca 180

gaaaatcgaa ggtgtttact ctgtaaaagc agatgtagaa caggggagag ttactgttac 240

agggaacatt gacccagctc ttctggttaa gaaacttagc aaatcaggca aacatgccga 300

gatcttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttc ctaatctgaa 360

tgggcaattt tgcaaatccc aacatgggtg gnaacaataa gcctaaaagg gtgggaaaag 420

agaattaacc aagtcaangg gtaaagctgg ttggttggcc gttggaag 468

<210> 5654
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-010-Q1-E2-D10

<400> 5654

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cgcatttgcc ctgagcgaaa gagagagaat gtatttgacg agttccagga gaaatcagag 120

ctagagaaat ctggtaatgg ggagagaact tgtagacaaa cacatggata agaaagcgaa 180

tagtttgaca gctagctcga cgggatcttc agatgataat aaagtcccaa gtccgtctac 240

taatgaagct gcagaggtga aagaatgcac cgagcagaat ttggttgcgg atgatgctcg 300

tttgaggcaa caagggataa ctgagacacc tggatcccat aaatcttctg ttaaacctcg 360

tgttactgcg aaaacaactg ttccaaagcc gttttccctg tcggctgaaa agcctagaag 420

aacagcggtt gataataant cattaggaaa ttggtgctaa ccataactcc tcctcagcat 480

caagagttca cagctaaacc ccct 504

<210> 5655
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-D12

<400> 5655

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tggaaaattt gattttattt tttccggaat tttgaaaatc tgtgagctca taaatcttcg 120

ctaatcgcag agacgaatct gcgaaaattc caacaccaga ttccggcgcc ggagcgccga 180

tgaacaatca ggtcgtttag taaaattcga tgaatctccc gcggaaataa ttagattcga 240

tttcgatttc cgtggggaag ttttgtgcca tttgatttgt tttcgttcgt ccccgttgga 300

gatttttgt aatttctggg gacagaaaca atgtctaagg tagtgtacga aggatggatg 360

gttangtatg gaaggaggaa gatcggacga tcgtatattc atatgaagta atttgtgttg 420

gagcctctcn tttggcgtaa tacaagaaga aacctcag 458

<210> 5656
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-D5

<400> 5656

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gaaaattccc tctctttctt ttcgatttga tctgggtttc attgtacata gctcgatctt 120

caagtttcgt catctgggtc ttgtaaagtt ttagactttt agggttgttt tacttgtgaa 180

gtttctctct tttctaatgg attctctggg taattgatcg attagggttt aagattttag 240

cggtggggaa agctgtttgg ttctagaatt ctatcttgat taacgtcact tgcagctttc 300

tcacaggttt tggaattgta ctaggttttg attgataatc atagattggt agtgatttgg 360

gagtnncctt gattgtgtaa tcatggcgga ggctaantgg tgcctgtanc nttggtgggt 420

catcgacctt caattgtgaa ggattacagt gaa 453

<210> 5657
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E1

<400> 5657

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gcggacgcgt gggttcagtg ggagttgttg ggtgatcggt ccgaggcgac atacaagatg 120

accggaaact cttttaactc gatgaaagat ttcctgaagc agacaggcgg ctatgcggta 180

atagacggag ggcttgcaac ggagttcgag agacatggag cagatctcaa cgatcctctc 240

tggagcgcca aatgccttgt cacctctcct cacctcattc acaccgtgca tctcgattac 300

cttgaagctg gtgctgatat catctccagc gcttcttatc aggccacgat tcaggggttt 360

gaagcaaagg gattttctag agaagagagc gaatctttgc ttaaaaagag cgtaaaatag 420

cgactgaagc tcggaactcg tattatgaca aatgcggnac taactccttc caatggatga 480

taagantctc aaaaagcgc 499

<210> 5658
<211> 451

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E2

<400> 5658

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atgtcgcgaa tgtcgactgt tcgtataaca tgactcctga ggagctcaac attaagatct 120

cgctctgtga cgccttgatc gtgaggagtg ggactaaggt tggccgtgag gtgttcgaat 180

cgtctcacgg acggctcaag gttgttggtc gcgctggtgt tgggatcgac aacgtggatc 240

tgagtgcagc gacggagttt gggtgtttgg ttgtcaacgc tccgacggcg aacacgatcg 300

ctgccgctga gcacggaatc gctcttatgg ccgccatggc tangaacgta actcaagctg 360

atgcgtccgt taaagctgga naatggaana agaacaatat gtangtgttt cacttgtggg 420

aaagaccctg cattgttggg aatcgggaaa g 451

<210> 5659
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E3

<400> 5659

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ggcttctact tcttccctcg ctctctctca agctctccta gctcgtgcaa tctctcacca 120

tggttctgac caacgtggat ctttaccagc tttctctgga ctcaaatcca ccggttcacg 180

cgcctcagct tcgtctcgtc gacgtatcgc tcaatccatg accaaaaacc gatctctccg 240

tcctcttgtt cgcgctgcag ctgttgagac tgttgagcca accactgatt cgtcgattgt 300

ggacaaatcg gtcaactcga ttaggttttt ggctatcgat gcggtggaga aggccaaatc 360

aggtcatcct ggtcttccta tgggttgtgc tccgatggct cacattttgt atgatgaggt 420

catgaggtat aaccccaaga aaccttaatg gttcaaccgt gaacgattcg ttccaatctg 480

ctggacatgg gatgta 496

<210> 5660
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E4

<400> 5660

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taaactatcc cttttatttt cccacccaac tcaannnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggggatg ctttctactc 180

tctgtttggt ttccttcatt gtgactttct attttctggg tttgtttcaa gtcatgattt 240

ttccgatacc cttttgattt ttcttgctat ttctcacctc tgtataagca agctctctgc 300

tgtttctcct catccaagtt gggtttatca gttcagctgt gtagaaattc aatcgtctga 360

gaagtccgag gtttgatgtc tgatggtttt aagatcgaaa ngatttgact ttaacanatt 420

agtaatngag aataagaatt ggtttttgag ggttaatggt atcana 466

<210> 5661
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-C12

<400> 5661

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caccttcaca ttgctcgatt tcagtcctct gaaaaaatct ccctgctttg ctatggctct 120

gaggtgtttt cccatttggg tttgtcccca aacgactcat catcgttctc ctctcatggg 180

tctcgctgaa ttcgacgctg ataaacgccg tcgtttctgt ctctgggagt gctcttcttc 240

agcttctcag agagctgtca ctgccattga aggcgagatt ccttttagcc gcgagctcaa 300

aaagtcctct gatgaattgg gtttgactca ggagactcaa tctctttctt ttcacagaga 360

cttaagtatg cttcctaaac cgctaactgc aaacagtctt tactcttctg atggcgatga 420

ttcaaaagtg cgaatttcgt ttcaggggat acaagntg 458

<210> 5662
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A11

<400> 5662

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ttggttcaga gcacctttg cttggtctac ttcgtgaagg ggagggtgtg gcagctcgtg 120

tcttggagaa tttgggtgca gatcctagta atatacggac acaggttata cgtatggtcg 180

gggaaaacaa tgaagtcaca gcaagcgttg gtgggggaag cagcggaaac agcaaaatgc 240

caacacttga agagtatggg actaacttaa ctaaactagc agaggagggt aaactggatc 300

cggttgttgg aaggcagcca cagatcgaac gagtggtcca gatcttggct cgaagaacca 360

agaacaaccc atgtcttatt ggagaacctg gagttggtaa gacggcaata gcagaaggac 420

ttgcacancg aatanctant ggtgatgttc ctgaaac 457

<210> 5663
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A12

<400> 5663

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cagcaataac ttcgtcggac gtcaaacatg gaagtttgat cacaaagccg gctcaccgga 120

ggaacgagct gccgtcgaag aagctcgccg gggtttcttg gataaccgtt ttcgtgttaa 180

aggttgcagt gatctattgt ggcgaatgca atttctaaga gagaagaaat tcgaacaagg 240

cataccacaa ctaaaagcta ctaacataga agaaataacg tatgaaacaa cgacaaatgc 300

attacgaaga ggcgttcgtt acttcacggc tttgcaagcc tccgacggnc attggccggg 360

aaaaaatcac cggtccgcct ttcctcctcc tcctctcata tttgttgtca ttaccggaca 420

tctggaggaa ntatcca 437

<210> 5664
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A3

<400> 5664

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acgaacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnncaatcga actctgtata caactctttc ctcaagtgtt tctccgacaa 180

gacgaaatct ccacaatccc aaatcactga caatgtcttc tctcagacaa accctgcttt 240

ctcctccgtt cttcgtgctt acatccgcaa tgcgaggttc aacacttcct ctactcttaa 300

acccaccatc ataatcactc ctcgctccga gagccacgtc agcgccgccg tcacttgctc 360

aaaaacccta aatttcctcc tcaaaatccg aagcggcggg catgactacg atggtctctc 420

ttacatttcc gacaaaccat ttttcatcct cgacatgtcg aatatccgtg acgtctccgt 480

agatatcg 488

<210> 5665
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A6

<400> 5665

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ttccattaga ggctcttctt ctgcttcggg attgggaaaa tcattgcaat cctctcgtgt 180

tgcagtgtct gctcaatttc attctgtttc agcaacagag acgttggtgc ctcgtggaaa 240

ccatgctcat agcttccatc accgttcttg tccagggtgt ccagactgtt caaggactat 300

tatcaacggt taccaaggca cagccctgca aagatgggtc aggccttttc atctgatagt 360

gggggatgtc gtggaagctg ttgtgccaca catgggtgaa tcaatcactg atggcaccct 420

agccgccttc tgaagaaacc tggcgata 448

<210> 5666
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A7

<400> 5666

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ctcatctttc tccgttactt gtggatctta cgcaatgtat agagtttttg cgagccgagc 180

actgagagct aagtctctct gtgacaaatc atccacctcg cttgcttctt tgactctctc 240

cagattgaat cattccatac cttttgctac cgtagatgcc gaggagctct ctggtgctca 300

tcctgctgaa gtacagagct ttgtgcaggg aaagtggata ggatcgtcaa atcataacac 360

gcttctagat cctctaaatg gagaaccgtt tatcaaagtt gcgggaagtg gatgaatcag 420

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ccctttcaaa t 491

<210> 5667
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A8

<400> 5667

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ttctccggtt tactttcggt taagacagcg ttagcagcac gacatgtgat cggcgggagc 120

caaggctggg aacaatccgt tgattttgat tcttggtctt ctgatcaatc tttcaaagtc 180

ggcgaccaaa tcgtttttaa gtattcagaa ctacacagcg ttgtggagct aggaagtgaa 240

acagcataca agagttgtga cctgggaaca tcagttaatt ccttaagctc tggaaacgac 300

gtcgttaagc tttctaaaac cgggtactcg ttacttcgct tgtggaaccg ttgggcattt 360

gcgaacaagg catgaagaat taaagtccaa cgttgtccnc ttctgactcc aaaatcggct 420

tctctccctt aaggttcaag gttcngggtt ccggattcaa g 461

<210> 5668
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B12

<400> 5668

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cagagaaaac acaccattga tccttcttct cctgattttc aaccaattcc atcttttgaa 120

gaatgctttc ctaagagcac taaagaacac aaggaagttg tccatgaaga atctggtcat 180

gttcttaaag ttccctttcg tcgtgttcat ttgtctggtg gtgagccagc ttttgataat 240

tatgacacta gtggtcctca aaatgttaat gcacacattg ggcttgctaa gctaaggaag 300

gagtggattg atcgtcggga gaagctagga acaccaagat acactcaaat gtactacgct 360

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agtttgtaag atnagaantt gcacgaggac gggcgaat 458

<210> 5669
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B2

<400> 5669

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ccccttcctt tgacttcggt tctaacttga ttaccagtga gaagtaggct aagatggaaa 180

tcatgtcaag agagaatgag actgctttgt caggtcctag gccgatggaa tggtctaccg 240

tcccacacag tgcttctcaa ggacctggtc ccaatggcaa gaaccggacc tcgagcttgg 300

aagcacctat catgttgcta agtggacatc cgagtgctgt ctataccatg aagttcaatc 360

ctgctggaac tctgattgca tctggattcc atgacagaga aatcttcctc cgggagagtt 420

cacggggact gcaaaaactc atggttttga aaagncacaa gaacgccatc ctttgatctc 480

aattggacaa gtgatggctc 500

<210> 5670
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B4

<400> 5670

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aaaacctatt tcaaatgtcg atgatgcgaa gtttcgatct caggaagaag aagatcagtc 120

cagttacgat cagaaaacag tatgcgaagc tctcacatgt tacagcaacg attggcaaaa 180

ggcgttggag tttttcaact gggtcgagag agaatccgga ttcagacata ccaccgagac 240

attcaatcgg gtgatcgata ttctgggtaa gtatttcgag tttgaaattt cttgggcttt 300

gattaaccgc atgatcggaa acacggaatc tgtgccgaat cacgtcacgt ttcgtataat 360

ccttaagcgt tatgtgacgg ctcatcctgt tcangaggct attgatgcgt atgataaatt 420

gggtgaattc aatttgagaa gatgaacatc attt 454

<210> 5671
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B5

<400> 5671

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tgcattccct cttcttcgtt tagccacaga actaatgatt ccataacctc atcatcttct 120

tcatattcat cattgcttgc tttgcctcaa ttcttctgtc caccatctcc attaggattc 180

ccacagttca agcttcacgc caagttaggt ggaggagatg gagaagtgaa gcctaaagat 240

aagaagaagt tcattaccaa agatgaagaa ccagaacagt attggcaaag cgttggagaa 300

agagaaggag agaatccgat gaagacgcct cttccttaca ttatcatctt cggtatgtca 360

acgccattcg tcatcttagc cattgctttt gccaatggtt ggatcaaagt tcccattcgt 420

tgatagcctt tctttttgc ttctgctaca cttgtgtaag gctgatctta aacatgt 477

<210> 5672
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B8

<400> 5672

acgcgtccgc ttccttcgtg tggaacagcc atggctatgg agtttctgag gagcagtaga 60

agaatattgg aatcttctgg atgcgcgatc gctttgattt ttctgctctt catccatgga 120

gctcactcat tctatctccc aggtgttgct cctcaggatt tcgagaaggg tgatgagctg 180

aaggtgaaag tgaataaatt aacttccata aagactcagc ttccatactc gtattactcc 240

cttccttttt gtcgccctag caagattgtg gacagtactg agaatcttgg agaagtgctt 300

cggggtgacc ggattgagaa tgccccatac tcgtttaaaa tgcgggaggc acaaatgtgc 360

aatantctcg gccggggtca ctccttgatg ccaagacagc taaagcgttt aaagaaaaga 420

tcgatgataa gtacnggtca acatgattct cg 452

<210> 5673
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-B9

<400> 5673

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caaatctgca attttacttt ctttttgagt tctaagtgaa ctcaacattt agcttctttt 120

tcttttctag gtttcataaa aacagtttgg atcttaagct cacagctgaa aataacccga 180

ctttgattac tgggtatata aaagccgcca ttgttgttct tttcactctt tgggttatta 240

gggtttacga tttctgggtg gtagataaat ttgttcttca aaaaagtttc ctttttaaa 300

aaatctctta gattcttaaa gaattgtaat ttagggtttt aaatgcatgg atgggagaga 360

agctatggca tttccaggcc cgcattctca gttctatctt cagagaggag tttttaccaa 420

tcttacacct tcccangtcg cgagtggtct cac 453

<210> 5674
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-C10

<400> 5674

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cttcttctcc ttgagaagtt cacaagttgt actagaagaa gaagaatcca cagtcgttgg 120

atacggctac gtcgttagat cagtgggcgt tgattctaac cggcaagttt tgacggcgaa 180

gcttgatctg ataaaaccat cgtccgttta cgcaccagat attaaatcgc ttaatcttca 240

tgtcagcttg gagacaagtg agcgtttgag aatcagaatc acagactcta gtcaacaaag 300

atgggagata ccggaaaccg ttattcctcg tgccggaaac cactctcctc gccgtttctc 360

aacggaggaa gacggaggaa actctcccgg agaacaattt cctaacagat cctcatcgga 420

cttggtttca ctctccaaaa cacgacgccg ttttggtt 458

<210> 5675
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-A1

<400> 5675

acgcgtccgc aaaaacaaac gaaaagaagc gacttttgcc tcttttggtc tctccccttc 60

tccggagaga tctgctctct ctatctatct ctcaatctgt aagaagaaga ttcccacttc 120

agtaaaagcc ctaactttac ttgggaaagt tcttcatcta tcatccttca atcgtcatca 180

tccatggctg atcaacaaac cctagattcc tctactcctc ctcctactca atccgatgat 240

ctatctcact cccactctac ttcctctact acttcagctt cttcttcctc agatccatca 300

ctcttgaggt ctctctcctt aagtcgactc aacgccggag ctcctgagtt cgttcctggt 360

cgaactactc ctccgctgcc tcaanctccc gaaggatgat tatcccgcct cctccggcgg 420

caagggtatg cttcataagg tatcaacaac aagctccctt taaa 464

<210> 5676
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-D1

<400> 5676

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aaaacacaca aatctaagag aagttatgaa taaacaagat gttatgaaac ttcagacttg 120

tgttctgaaa gtgaacgtac actgtgaagg gtgtaagcat aaagtgaaga aacaattgca 180

gaaaatcgaa ggtgtttact ctgtaaaagc agatgtagaa caggggagag ttactgttac 240

agggaacatt gacccagctc ttctggttaa gaaacttagc aaatcaggca aacatgccga 300

gatcttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttc ctaatctgaa 360

tgggcaattt gcaaatctca acatgggtgg aaacaataag cctaaaggtg gaaaagagaa 420

taaccaagtc aaaggtaaaa ctggngg 447

<210> 5677
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-D5

<400> 5677

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gaaaattccc tctctttctt ttcgatttga tctgggtttc attgtacata gctcgatctt 120

caagtttcgt catctgggtc ttgtaaagtt ttagactttt agggttgttt tacttgtgaa 180

gtttctctct tttctaatgg attctctggg taattgatcg attagggttt aagattttag 240

cggtggggaa agctgtttgg ttctagaatt ctatcttgat taacgtcact tgcagctttc 300

tcacaggttt tggaattgta ctaggttttg attgataatc atagattggt agtgatttgg 360

gagtttcttg attgtgtaat catggcggag gctattggtg ctgtatcttt ggtgggtcat 420

cgaccttcaa ntgtg 435

<210> 5678
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-D8

<400> 5678

aaagttggaa tcgtgcacgc ctctcgagtt atctccggct ccgatactcc atctggtgga 60

ttctgtanaa gaaaaaattt caatctttgt tggattttct gggaaaaact cagatgggtt 120

tgctctgaat cgattggaaa atcaaaccgg tgtggactct gcaaagttgg ttgatatgaa 180

cagtcttgtg agaagaaaac aagttgattc tgttcatctt atcaaaaacg atggacctca 240

tcagcttgcc aagaaactat ccgccgttga tcntgttgct attggagttg ggacaanaat 300

tggagcagga gtgtatantc ttgtgggaac ggtagctana gagcacacag gacctgctct 360

tgctgtagca ttcctcattg ctggagtanc tgcggctctc tctgcctgtt gntatgctg 419

<210> 5679
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-E1

<400> 5679

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ccgaggcgac atacaagatg accggaaact cttttaactc gatgaaagat ttcctgaagc 120

agacaggcgg ctatgcggta atagacggag ggcttgcaac ggagttcgag agacatggag 180

cagatctcaa cgatcctctc tggagcgcca aatgccttgt cacctctcct cacctcattc 240

acaccgtgca tctcgattac cttgaagctg gtgctgatat catctccagc gcttcttatc 300

aggccacgat tcaggggttt gaagcaaagg gattttctag agaagagagc gaatctttgc 360

ttaaaaagag cgtagaaata gcgactgaag ctcggaactc gtattatgac aaatgcggaa 420

ctaactcctc caaggatgaa aaaaatcnc 449

<210> 5680
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-E2

<400> 5680

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atgtcgcgaa tgtcgactgt tcgtataaca tgactcctga ggagctcaac attaagatct 120

cgctctgtga cgccttgatc gtgaggagtg ggactaaggt tggccgtgag gtgttcgaat 180

cgtctcacgg acggctcaag gttgttggtc gcgctggtgt tgggatcgac aacgtggatc 240

tgagtgcagc gacggagttt gggtgtttgg ttgtcaacgc tccgacggcg aacacgatcg 300

ctgccgctga gcacggaatc gctcttatgg ccgccatggc taagaacgta gctcaagctg 360

atgcgtctgt taaggctgga gagtggaaga ggaacaagta tgtangtgtt cacttgtggg 420

aaagaccctt gcagtgttgg g 441

<210> 5681
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-E3

<400> 5681

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agctcgtgca atctctcacc atggttctga ccaacgtgga tctttaccag ctttctctgg 120

actcaaatcc accggttcac gcgcctcagc ttcgtctcgt cgacgtatcg ctcaatccat 180

gaccaaaaac cgatctctcc gtcctcttgt tcgcgctgca gctgttgaga ctgttgagcc 240

aaccactgat tcgtcgattg tggacaaatc ggtcaactcg attaggtttt tggctatcga 300

tgcggtggag aaggccaaat caggtcatcc tgggtcttcc tatgggttgt gctccgatgg 360

ctcacatttt gtatgatgag gtcatgangt ataaccccaa gaaaccctta atgggtnaaa 420

cgtgaacgaa tccntcca 438

<210> 5682
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-E5

<400> 5682

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tccggcttcc tgttgtgggc ggagacgttt cggtacatga ctctgaggga cacgaagttg 120

agtctcaact tgttccattt actgatgaat atgtggcctt aaggaaatat catgtagagg 180

catacttagg tcaaagccct acacaggtgc caaagtattg gcttgtgttt tcagtaactg 240

tgcctcctct tggcttcact acttacacta tctccactgc taagaaaaca gatggatatt 300

ctagcaaatc atacgtctcc aatatcctaa aaggcgaaca gtcaataatt aacattggtc 360

atgggcatct gaagcttagt ttttccactg atcaagggac agcaatcaat tatgttaacg 420

gcagaacctc gatgacaaga ancaatc 447

<210> 5683
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-E7

<400> 5683

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ttctggattt tgtttctctc tagtctattc cttcaaaacc aagaacccaa ctttgtttta 120

tattcaaaag ttgtttgctt tcatcgcgtt tggtgttcat cttcatctgg tttgagatta 180

taataacatg gaaggaatca ttgtgagaag agttatacca tctgataaca gttgtctctt 240

caatgcaatc ggttatgtca tggacaagga caaaaacaaa gctcctgagc tcagacaggt 300

gatagcagca gcagttgcaa gcaacaagga gaaatataat gaagcatttc tagggaagct 360

caatgaagaa tattgtgctt ggattctcaa tccagacaag tggggangtg cgattgagct 420

ttcgatatta acanattaat aagg 444

<210> 5684
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-F1

<400> 5684

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tcgtcgccgt tcctttcaat tccgatggct ggggacctcc agacgcttcc gacgtttcct 120

cctccgcctc tcccaccagc gtcgccgccg ctaatcttct cccgaacgtt cctttcgctt 180

ccttctcccg ttccgataag ctcggccgtg tagctgattg gactcgcaat ctctctaatc 240

catccgctcg tcctaacacc ggatccaaat cagatccgtc tgcagttttc gatttctccg 300

ctttcgcaat cgacgaaggc ttcggtctcg cttcctccgg tggtaatccc gacgaagacg 360

cagctttccg tctcgtcgac ggtaaacctc cgccgcgtcc taaattcgga cctaaatggc 420

gtttcaatcc tcaacaaaat cgggat 446

<210> 5685
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-F3

<400> 5685

acgcgtccgc ccacgcgtcc ggttctacgc aactccataa tttcaattcc tctcgacgtt 60

tcacggcgaa gcttcagatc tacttttccc cagctcagta tggagacggt tgattctcgg 120

aacaaattgc attcccggtt acgtttatgg gaattccccg atcagtacat catcgagcca 180

gctgatggct caggctcttc atgtttggat attagtcgtg ttgatgcttc catgaagctc 240

atcgatcaag tcccagaaag caattccgtg cgtgtcccta aaatccgttc atttttggt 300

gtggttggga tgttgaagct ccttgcagga tcatacttgg tggttgtaac tgagagtgaa 360

cgtgttggat cgtttctggg gcatcctata ttcaaaagtt acaacgccta agggtcctcc 420

ctgtgatnaa tcactaaaaa acc 443

<210> 5686
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-G1

<400> 5686

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tggattgttt ctgttctaga gcttctcttc cgtctctgtg atttctgggt agattctagg 120

atttctattt gcatctctaa cctgagagct gctaatagtc cacacaactt tttagtttgt 180

gagttttcct aatttagggt taggacaaat ttctgtattt ttcatccaag gggataaaga 240

tgtatgctga taaattggag gctgagtctg gaagcaggaa ggtcgttaag gatcgtatca 300

atggcggttc tggagacatc tctactcgcg tgcgacaagt gactgggaag aggcaaaggc 360

aggacgacaa atgggagcat gatcttttca gtagtgacaa acctcaactt tcaaatcnca 420

aggttgattc taaaantctc 440

<210> 5687
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-G7

<400> 5687

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ccatttctct caatgtggat cagtcggtct ccgatcctac tgctgttcca acaacaagaa 120

aatcgttgat catggaacga atgggagata aagacatcgt tagacgtgca tttaagagtt 180

ttcagaagag tttcgaccaa atgaaatcta ctgatgatgg gcaagataca gctccaaagc 240

aggttcttgc aaaggcaact gctgttcaga ggttaggtac aactggtcag aaaaatgtca 300

ggcttgcaaa atcagatggc acggagagaa aaggtcctaa ctctcaccgt tcttcatctg 360

ttgtatcaaa aagcaacggg acagccgaga aacagaangn accttcctaa gctttggaca 420

agaacttttg agaaggatac nat 443

<210> 5688
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-H4

<400> 5688

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ctccagatcg agagcttaaa aagtcgattt caattcccct ttaagatttt ttgcttttgg 120

aatgtagtgt gaagaagaaa ccctagtttt ttctcacttg aattctctgc cttctttagt 180

aatgtcaagt gagcagcgag aaggttcgca agagacgacg acgacgacgg tggaaggtaa 240

cggaacaatt gcaggtcaga attctcattc ggcggctccc acgacattga gagctacctc 300

tacgatggtt tcttgccaga gactaaggct aaaccctaac aacgagcata gacccgatag 360

ttatgaagat ctgcagcttg atttcccaaa ctcggtatat tctagtctgg agaaagtact 420

tgcctccgaa tatgntcgt 439

<210> 5689
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-H8

<400> 5689

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attcaacacg tgtcctcacg tttctgatat tgatctcgct aatggcggtg acactgaacc 120

tttttcccac ggtagaggca aagaagcggn gtagagatgc tcctanantg aaaggtctct 180

catggaactt ttaccagaaa gcatgtccga aagtcgaaaa catcatcaga aaagagctca 240

agaaagtctt cangcgagat attggtttag ccgctgccat ccttcgtata catttccatg 300

attgcttcgt tcanggatgt gaagcatcag tgctgctagc tggatcagcc agtggaccan 360

ggagaacaat catcaatccc aaatctgaca ctacgacaac aagcctttgt cgtcattaan 420

aaccttcg 428

<210> 5690
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-C7

<400> 5690

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aaaggatgcg taatgtggag acctatgtca agtctatcaa gcccgagctg gttgtacaag 120

ccgaacccat tacagatcca tatggccctt ctatcgtaga tgaaaatttg gaagctattg 180

ttgtcagcaa agagacatta cctggtggct tgtcagttaa cagaaaaaga gcagaaagag 240

gtctttcaca gcttaagatt gaagttgtgg aaatagtttc tgatggatcg agtggaaata 300

agataagttc aagtactctg agaaaaatgg aggctgagaa agcgtctaaa caaaaacaac 360

cagcagaaga aaaagcatca tgaactcatc atatataaac tctcaacttt gcatgtaatt 420

taataccctt tgtnaaccaa aaaggccg 448

<210> 5691
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H11

<400> 5691

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nnnnnnnnnn nnnnnnnnnc tttggttccg gatcttgatt atggcaaatg ggtgggtcaa 120

atcgttacaa tgcaagtcga aagctttcga tgatgtttac nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnatct catgtcaagc tacagttgca gaaaaagcac 240

acagagtcta aaagatgtga tcgaaaccaa aaaacccaaa cctaaaccga agaaacccaa 300

tccaaaaccg gataaacgag aaaccgaccc ggttttatca ccatcaaccc ggatccgatc 360

aaccggagtt cgtgatcgtg atccgttttt accgacattg acggagctat cggaaggnca 420

tcaatcacgt aatgtgg 437

<210> 5692
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H3

<400> 5692

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gattctccat tatcttcctt ctaaatgcct tccctaatgt tatctgnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcgattca 300

ngctcggaga anaangaana gcancannaa ggttaagttg ggcgttgagg atgttgaagt 360

tgannaccct aatgctgttc caaagtttcg gatttctgca nctttgacgg gagaagctta 420

acgggaaatg ggattgna 438

<210> 5693
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H7

<400> 5693

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ttatgtcatc gaaccaagaa aatgccaagg aagagaaact ccatgtcaaa ataaagacgc 120

aggaattgga tccaaaagag aaggggggaaa atgttgaggt ggagatggaa gtgaaggcaa 180

agtcaattnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

ncaaaaagaa agatggaaaa atggtctcca agaaacatga agaaggccat ggagatctgg 360

aggttaaaga gagcgatgtg aaagtggaag agcatgagaa ggaacacaag aagggcaaag 420

agaagaaaca cgaagganta aga 443

<210> 5694
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H8

<400> 5694

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aagaagatct ctcattcccc ttcaaaagca gacagattcg aaactttccc ccaaattcgt 120

ggaaattttg tgttagggtt tgggttattc tcaaatagaa tcaatcagat cgttttttt 180

tttgttagaa gaagatgaag atagcggcca atggccggtt tttcacaatc ggactcgtag 240

cgtcatggta ttcatcgaac atcggagttt tattgctgaa caagtacttg ttaagcaact 300

atggattcaa gtatccgatc ttcctcacca tgtgtcacaa tgacgggctt gttctcntct 360

caactacgtt gcctattggc ttgggatgaa gaaggntccc gaatgcaaaa cgattccgat 420

tcccaagttc antttcctta aagaatncgc ctgcngttaa ngtccccgtt ttcccggtgg 480

tgtcccggtg gggtttt 497

<210> 5695
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H9

<400> 5695

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caaggagctg gatcccctgt catgattgat gctatgtcac acatcacaag ttgcttcagc 120

tctgacacta aggtgctcaa aaaagcgatt cagaaaagtt tgcttgtctc tgctgacatg 180

gcacatgctt tacatccaaa ctttatggac aaacacgaag agaatcatca gccaaagatg 240

cacggaggac ttgtcatcaa acacaatgca aatcaacgtt acgccactaa tgccgtaact 300

tcctttgtat tcagagagat agcagagaag cataatctgc ctgttcagga ttttgtggtg 360

cgtaatgata tgggttgcgg atcgaccatt ggtccaatcc taacaagcaa tgtgggggat 420

aangacggtt gatgttg 437

<210> 5696
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-B2

<400> 5696

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gtgttggatt cgaacctgaa cattatcana ancgaactcn ttcatttcga ttctgatctt 180

cctcaanaca gnaccaaaga cggggtttan agatacacta gtgtagacng aagaatcgta 240

tctccaactc tcatgtgggt cgaagcattt gatctcattc tccaaaatct ctctaangnc 300

aatttcaatt tcnncaaagt tatcgctgtt tcaagnacag ggcaataaca cggtagtgtg 360

tactggtcag angaatttat ggggaattga gatnatggag gcattgagat gnctg 415

<210> 5697
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-B4

<400> 5697

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aatgtgatta tccattcgat tttttcgcag aagaagacga aagagagaag aagagaaaga 120

gatttgaaat catggcgaat gtagtgggac agctaaaacg aggaatctcg agacaattct 180

caactggatc gcttcgtcgt acgcttagtc gtcaattcac gcgtcaagct tcacatgatc 240

ctcgccggaa caatatgcga tttagttttg gtcgacaatc gtctttagat ccgattcgtc 300

ggagtcctga tggttctaac ggtccgcagc ttgctgtacc ggataatctc gacgctacta 360

tgcagcttct atttgtggct tgtagaggtg atgttgaagg tgttcaagga tcgcntgatg 420

aaggt 425

<210> 5698
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-B5

<400> 5698

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atcattgcag ttctatacgc cgtagcagaa caggaaggag cttcgaaaga agacattgac 180

caacttacta aattcaaatt ccgaaaggtt ggtgatacta tgaaacacac tgttgatgaa 240

gaacaaggac aaggagattc tggaggagtg atgactgaat gtggtacaga ttcacccgtt 300

gaacatgctc ttcctcatga ggatgcagaa tgctgcattt gtctttccgc ttatgaagac 360

gagacagagc taagagaact tccttgtggn caccatttcc attgcgttgt gtggataaat 420

ggctttacat aaatg 435

<210> 5699
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-C1

<400> 5699

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ttgtacgtcg gatccaaaaa acgcgcgtta tataaacgct taatttctcc aggattcttc 120

ttctgcttcc gccattgctc gaaaatcgcg tcttctgaca atgtgctgaa actgagtcat 180

cgtccgagtt agcaaagtga aacttcgaag tttctcttac actaatctca ggtttgggat 240

tttgtaagaa accgcgttta caaaatgttc aagttgaagc aatggttgat ttatttggtg 300

tgttcgttaa gtaataatga acacagaang actgtttgtc aatattacat ttgttcgnaa 360

nncactcgct aaanggggcc gtttgtttan atgganatcc accagcttat catttggnt 419

<210> 5700
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-009-Q1-E1-D2

<400> 5700

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accaaaaagt gtacctttg ctattcatag cgtaaccagg aggcaatttc ttaatcccaa 180

cacgttttat agatttgggt tctctccttc tcttcaggga agtagcattg agtttagcct 240

tcagttgaat tcaagagttg tgcttagtaa agagcgtcga tctctgccat tagttgtgag 300

aaatgatcgt cctcagaatg aagacttacc taagcagtac acaaggcgag agaagaaacc 360

tttcccagtc cctattgtgg acctgagacg agctgcgaag gaaagagtca agaacaacag 420

agacaaacct aaagagac 438

<210> 5701
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-D8

<400> 5701

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nnnnnattgg tttggtctcc ggaaacagca tcaaaggctt atatagacac cgttaaatcg 120

gtaagttttt tttttatttt ccggtgagtt gtgaaggaat aataacacac gcttcttctc 180

tccagttctc gaaaactcag atcttaattt tgttaaagat tcatggtttg ttcttgtaac 240

gatttttttc ttttcttttt tgttcagtgt gagaatcttg aaacgccgga cgcggcggag 300

ctaatagcgg cgatggcggc gggatggaac gtgaagctga tcgtggaaac ttggtcagaa 360

ggagacgcaa tagcttcaag tattggttta aacgtancaa gcanacacgc aaacgctaaa 420

cacatatgta tantacaa 438

<210> 5702
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-009-Q1-E1-E2

<400> 5702

acgcgtccga ataatcgaaa cccagcacga gaaaaatgca tgatttttgc ttcactatcc 60

cgtacgggat gcttctcatc ggcggaggat ttatcgggta catgaagaaa ggaagtataa 120

catctttcgc cggaggtgca ggcactggat tattactcat tctcgctggt tatatcagtc 180

tcaaagcttt tgagaagaag aagaattcca ctattgctat ggttcttcag acagtcatcg 240

cagctgctct cacactagtc atgggacagc gttacttgct gactggaaag attatgccgg 300

ctggtttggt tgctgggatc agtgctctca tgacctgttt ttacgtatac aagatcgcta 360

ctggtggcaa taaatttcca gcaaaagctg aatgatggtt ctgctacatg cagatgatac 420

tatccgttgt tgaatttg 438

<210> 5703
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-E7

<400> 5703

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gagtggtatt gtgatcgatc tgttactttc ggagagcgag caataagaag aggatatgtc 120

gtcactcagc agagaactcg tgtttttaat acttcagttt ctcgatgaag agaaattcaa 180

agatactgtt cacaggttgg agaaagagtc tggtttttttc ttcaacatga ggtactttga 240

agatagtgta acagctggtg aatgggatga tgtagagaag tatcnttctg gattcactag 300

agttgatgat aatagatact ctatgaaaag atttttcgag attcggaatc agaagtaccc 360

tgaagcactt gacaagaaag atcattcnaa ngcggttgan attcngngtt aaggatttga 420

cagtgtcncg acatca 436

<210> 5704

<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-E8

<400> 5704

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agatggcgag gaataaactt gtaagtggta gtcatgggat atggaaatat ttcaacccag 120

cgttttatct ccgaagacca agacgtcttg ctttgctcat catcctcttc gtctctgttt 180

caatggttgt ttgggatcgt caatctcttt cccgagacta ccagtttgaa gtttccaagt 240

taaatgaaga agttttgcgg ttgcagcaga tgttggaaga gataaagagc gtcactgagg 300

atgtgtctgt caatagtttg aaggatgttc aggaagatcc agttgatgct cagcgaatgc 360

agagagttaa agaggcaatg gttcatgctt ggagttcata tgaaaagtat gcctggggac 420

aaagatgagc ntc 433

<210> 5705
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-H1

<400> 5705

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gtactatgaa tactcccacg cggttcagga caatcgaggc gtataacatt gctgatggga 120

aatgggctca gctaccggat ccaggagata acttcgagaa aagaggagga gcgggattcg 180

ctgtggtaca agggaagatt tgggtggttt atgggtttgc gacctcgatt gtgcccggag 240

gcaaagatga ctatgagtct aatgctgtgc aattctatga tccggcttcc aaaaagtgga 300

ccgaagtaga gactacagga gcgaaacctt ccgcaaggag cgtgtttgcc catgcggtag 360

tgggaaagta tataataata tttgcaggtg aggtatggcc tgatctcaat gggcattatg 420

gtcccgggac gctgtccaat ganggatatg 450

<210> 5706

<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-D4

<400> 5706

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atgggcagaa cagagcagat tccaaattgg tgactctctg ttgttcgtct accaatcaaa 180

ccaagattca gtgctccaag tcacaagaga cgcttacgac agctgcaaca cggactcacc 240

aaccgctaaa ttcgccgatg gcaaaacttc tgtcacgctg aaccactctg ggccatacta 300

tttcattagt ggaaacaaag acaactgcaa gaaaaacgag aagcttgtgg tcatcgtcat 360

ggctgataga agcggcaaca aaaacaccgc atcatcaccg ccgtccccag ccccagctcc 420

ctcangagaa tcccgctcct t 441

<210> 5707
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-D6

<400> 5707

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ttcatcgata tggcggtttc ttgcaaccac tctgcgattc tcttctctcc atcatccacc 120

gctggttcct cctccgttac ttcttcctcg tcgctcatcg gctttcctcg tttccaaacg 180

ctgcgtttca aatcaagaag cgtttattcg aaatctagag tttcttctcc tgtctcggca 240

ttgcctttac gttctctaga agctctgatt ttcgattgcg acggcgtgat tctcgaatcc 300

gagaatctac accgtcaagc ttacaacgat gctttctcgc atttcgatgt tcgatgtcct 360

ccttcttcct ctgagtctct cgattgggag cctcgagttc taggataagt ttcagaatct 420

antcggaggt tgggaaaccg anaatgcgtt gg 452

<210> 5708

<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-D7

<400> 5708

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ccacgtttct cgtttgtagc ttcttctctc tcagaattca attcgaattt tgacaagtct 180

tgacgaagaa gaagaaacag agctgcttca atggcttcta actcattact acgttcttct 240

tcaaatttct tcttaggatc ccatatcata atctcatctc ccacccctaa aaccaccaga 300

aaaccctctt tccctttctc cttcgtctcc cgtgctaaat accaaatcac tcgatcgtct 360

caagacgaaa attcgncaaa tggtaaaccc anttcgccat tctcgtcgna ngtagcctta 420

ggcagccnat t 431

<210> 5709
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-D9

<400> 5709

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cgctttgtct ttcttaatcg actgataagt ccttaggatc agatggaaca aatgggtggc 180

tactcaaaac aacaaggtcc atttttagtt tgattaaggg atttggatct gagcttactt 240

catcaacttt gtcggaatat acatttgctt tgtgtggatt tggaagttgt ccctgaatgg 300

cgtccgagga tttgaatatt gttgcggaat caaagaaagg ggaagagaat gttattgttg 360

ataattccaa ggacatgaat agacctgaga atcttgactt atctactgag aaaactgata 420

ctggcaatga gaatgggcc 439

<210> 5710
<211> 439

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-E11

<400> 5710

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aagactttga gaatctaaag ctgaaaaatt ttgtttttt tcattgaggg aatcgaatcg 120

agttatgtac aaggatcgga gtggaggagg aataatgggt ggtggtggat catcgagatc 180

ggagatcctt ggtggagcta ttgatcggaa acgaannnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnntaaat ctcagcttca ttctcgttcc cccgatgttg aatctgacac 360

ggatagtgaa ggatcaagat gtgagtggtt cagaaggtga tgatacctcc tggatctcat 420

gggtttgtaa tttganaag 439

<210> 5711
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-E2

<400> 5711

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cccacgcgtc cgaaaaagct gaaaattggg ggaagaagag agaagagttt catcgtcact 120

ggaatcaata gagtcaattg gcgggagagg ttagtctcga aaagaagtgg aagccctagg 180

gggaaacttt ctcgctcact cgctcgtctg caaacaccat ggaagacagt cctcaaggcc 240

ttaaaaggag tagagatccg gatcaggatc aggatgacga cagcggcgag gctggcaagg 300

ccgacggaag cggcggagag aatcaggagc gcagcagcga ccagattgag ctcgatgacg 360

acgatttcca ggaaacccgt cccaagccca agcgtagtcg cacccatcct cctcaacaga 420

atctcattga ggttgtcaaa ggcaacgggg atcttatttc taaagccgtc aan 473

<210> 5712
<211> 443

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-E4

<400> 5712

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnctcg aatcgctcct 120

ggtgttggag ctaatcttct cggccaacac tccgctgaga ggaaccaaga cgccactgtt 180

tacgtcggtg gtctcgatgc tcagctttct gaagaattgc tttgggaatt gttcgttcaa 240

gctggacctg ttgttaatgt ctatgtaccg aaagatagag tgacaaatct tcatcaagaa 300

ctatggattc attgaatatc gtagtgagga agatgctgat tatgcgatta aggttcttaa 360

catgattaan ctccacgggg aagnctattc tgtttaacaa ngnatctcaa ggatangaag 420

agcctggatg ttggtgctaa cct 443

<210> 5713
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-E9

<400> 5713

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ctttcccttg cgaatgtcaa cctggtgatt tcctagggca caatttcagc tacagtgttc 120

gacaggaaga tacttacgaa agagtcgcga ttagtaatta cgcgaatctc acgacgatgg 180

agtcgttaca ggcgaggaat ccttttccgg cgactaacat acctctctct gcgacgctta 240

atgtattggt gaattgttct tgtggtgatg agagtgtttc gaaagatttt ggtttgtttg 300

ttacgtatcc gcttcgtcct gaagacagtc tcagttctat tgcganatct ccggtgtatc 360

ggcggntatt ctgcatnnat atnaaccngg gtgttncttt aactccgggg a 411

<210> 5714
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-F12

<400> 5714

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ccgtcaccgg aaccggcgag ttagtcgtcg ggattccaga tctgtttgtc tacgtcttcc 120

ttctgtctct gtgttcatca gagtaccaat tcgctcgatt gttgctgcat ttcgcgaatt 180

gtattaggtt tatagcgtct atgaactcct gttttcgctc gatttgagta acctaggtat 240

ttctctacgt tgattgtttg gatttgaaga aaaggcgcaa agtatgagta gaaatttcgg 300

aagtttcatg aagatttgag ggattgagtt aggtattgta gttgtagaga gaatgcagag 360

tttatcgagc tcggctccga caccggaggc gatattagaa tggttacaga aggaaatggg 420

gtacaa 426

<210> 5715
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-F5

<400> 5715

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gccgacgcta atggcagatc taagtacatg gagattctcc aagaggtttc aaatcgtaag 120

attcgagcta ttcaagtcga tctcgatgac ttattcaatt ataaagatga aagtgaggag 180

tttctcggac ggttgacgga aaacactcgc cgatatgttt caattttctc cgccgctgtt 240

gacgagttgt tacccgaacc aacggaagcg tttccagatg atgatcatga tattctcatg 300

actcagagag cagatgatgg gactgataat ccagatgttt ctgatcctca tcagcaagat 360

tccttctgag attaaaagat attatgaggt ttattttaaa gctccttcaa agggaagggc 420

atctaccatc agggaa 436

<210> 5716
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-F6

<400> 5716

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nnnnnnnnnn nnnnnnngga aatcgatata cgattctcac tctctacccg cgaaaaaaca 120

ctaattgatt catatcctcc gtcaaggata aatctgtgtt tgattcacca tatctctttc 180

ttctccctcc gcgctaagct acgacgccta cagatctggc tggtaaaaat cacgcagata 240

gagactctgg cccgatgctc tctttaccca ttgatccagg ctttttctga tttctctttg 300

ttcctagaaa ccattaagct cctacctctt tctanttgat gctcgtgttc tcttcactgt 360

cnatnactcc angttgtgat anctcaaaat ctccgtgtct ttggncctgg tttgaatcgc 420

tcnttcactt a 431

<210> 5717
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-F9

<400> 5717

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ggtccaattc ctaacctccc tcctcgcctt aaatacttga atttgagctt caataacctt 120

aacgggtcag ttccatcttc tgtcaagtcc ttcccagcat cctcatttca aggtaatagc 180

cttctatgcg gtgctcctct gactccatgc ccagaaaaca ccactgcacc atctccttca 240

ccgacaacac caacagaagg tcctggtaca accaatatag gtcgtggtac cgccaaaaaa 300

gttctctcca ctggtgctat tgtgggcatt gcagttggag gttcggttct gttgtttatc 360

attcttgcca tcataaccct ttgctgtgcc aagaaaagag atggccgggc aagatacanc 420

gc 422

<210> 5718
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-G1

<400> 5718

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atccagttca tactgtccat catctctctg gcaattccac tccaacttct gatgtccgta 180

ccctcttatc tgcttcttcc atcgggctgt gtcagtggaa cattagtggt agcgagggaa 240

gcccatcatt agtttcggaa acgggaaacc caggtgtatg catatcctcc tcgtactgtc 300

cccgcagcaa tcatatagta gcttcttata gaccaagagt tggatcatct gatgatacag 360

tcccgactca gccctcattg actcaaacag gagtcagtaa tagtaatagt aatggtgtan 420

atgggatttc atgtttg 437

<210> 5719
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-G12

<400> 5719

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ctagctttga gaaagattca atttttgagc cttaagattg tgatgggagt tgtgtctatt 120

tcaagttcag ctgcaagatc tccactcggg ttgggcaacg atcttttgac acatcggtct 180

tcacttaaaa agccatccat tgttgctttt aaagccgatg attccagcaa ttcagctttg 240

atcattcctc ctcgtgagca agttttgatt cctgctgaaa agcataatga gaagaagaga 300

gaagtaacga ggagaaagcc ttgtaaaacc ccgaaaaaac cgctttcctt ggaacataat 360

tcggctcctt cgtgttcgtt aggagtagat tacaatgaag ctgctgcaag acttgaaagc 420

atatacaa 428

<210> 5720
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-008-Q1-E1-D12

<400> 5720

acgcgtccgc ggacgcgtgg ggccggaata ttcggaagca cgaaagaaac aagccacaca 60

ttgccacact ccgccacaag agccgccatg cttgtacgaa tcaacactct cctccaagga 120

ttttccggta tccgatttga gattctcgaa gcaattacca gtttcctcaa caacaacatc 180

actccatctc tccccctccg tggtacaatc accgcctccg gagatctcgt tcctctctcc 240

tacatcgccg gacttctcac cggtcgtccc aattccaaag ctactggtcc caacggtgaa 300

gctttaacag cagaggaagc tttcaaatta gcaggaatca gctccggatt ctttgatctc 360

caagcctaag gaaggtctcg cgctagtcaa tggcacggcg gttggatntg ggaatggggt 420

caaatggtgt tan 433

<210> 5721
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-H7

<400> 5721

acgcgtccgg gatgatttgg aagcttacta ttctcactat aatttaccgg cgatggttcc 60

tcctccgccg ccgggagttt ctccgattcc aattacttca gctcattccg tctatttgcc 120

tacccatgtc tcaattggag ctcgcgatga ggttaggacg cttttcgtcg ccggacttcc 180

tgaagatgtc aagcctcggg agatctacaa tctctttcgt gagttcccag gatatgagac 240

ttcgcatctc cggagctcag atggagctaa gcccttcgca tttgctgtgt tctcggatct 300

gcantcangc tgtancngtg atgcatgctc tcaatggaat ggtgtntgat cttgaanagg 360

aattctantc ntcaaaattg gaccttgcca aaagcaaatt cccnaantct aaancggtca 420

annaacaaaa tnaatgggtt tgggaaaanc ttta 454

<210> 5722
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-007-Q1-E1-H9

<400> 5722

acgcgtccga ccacgcgtcc gaatggcgac tctttatagt caagttcctt ctgtatcagc 60

agttttctct ctttacacat ctttttccgc aatcacgatg ctttttcgaa caatcctcan 120

ngagattgtg cctaaaagaa tcagagagta catagctatg aaagctgtag acttcttctc 180

ttcttacttt caatctgatt tcacttttgt gatagagcaa cgttgggagt ttgttgagaa 240

tcagacgttc cgtgctgctg aagtttactt acctacctgt ctcgccggac tttctacagg 300

caaacttctt gtgggttcaa gtaatcttaa gaatccagct gctgaagcca aaacttggta 360

nccctgtgaa cactnnngat tattgataac tttgaaggga tcatctagaa tggantcttc 420

<210> 5723
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-A1

<400> 5723

cacgcgtccg cgcttgacga atcattcatc aacacacgca gagagctctg aatctcgagg 60

aagaagatgg tgaggatcat tcctatggct gcttcctcca ttcgaccttc cctcgcctgc 120

ttctcngatt ctcctcgctt ccccatctcc ctcctctcca gaaatctctc tcgcactctc 180

catgttcctc aatcacagct ttttggttta acttctcata agcttttgag aagaagtgta 240

aactgtttag gagttgctga atctggtaaa gcagctcaag ctactacaca agatgatctt 300

ctcacctggg ttaagaatga taagagaaga atgcttcatg ttgtttancg tgttggcgat 360

atggaccgga cgataaagtt ttatactgaa tgtcctggga agaaanctcc acgtaagcgt 420

gatataccaa naagag 436

<210> 5724
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-A10

<400> 5724

acgcgtccnc ccacgcgtcc gctccaaaat tgttcatttg catttctcca acttgtaaaa 60

tcgagcacct gcatttgggg gctttcctct tatctggaaa caaagagagc cgccactgat 120

ggaatgagtt tccgtgaatc atccacccag gtgaaaggaa tcataatttg gttggtcaac 180

taataataaa aatgggtgag gcaagtgatt cagattcgtc tgatgagtct ttgaaacaca 240

atagcacccc accactcttt agcatctctg gcttcntttg tgttgccaaa ggaagagact 300

ctgatcccgg taggagccct acttctcccc ttgattttgg agtctttggt ggcctcttta 360

nccccangtc ntcntcttcn tcaaccctcc aacggaaaca aatggtttct canaaaagtc 420

gg 422

<210> 5725
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-A11

<400> 5725

aattcccggg ccgacccacg cntccaaacc aataagttta tttggtggtt ttccctccac 60

agcttggttt gatgttgtgg acatcaatga agatggacct gatgatatgg aaggattgga 120

tgtggctgct gcacatgttg caaatctgtt gtcgaatgag cctgctgaca ttaaattagg 180

tgttggagga ttcagcatgg gtgcggcgac atctctatat tctgcaactt gttttgctct 240

cggtaaatat ggaaatggca atccataccc tatcaattta agcgcaatca taggcttaag 300

cggctggctt ccttgtgcaa agacattggc tggcaaacta gaagaggaac angatnaaga 360

ancgagctgc atcgttgccc attgttgtct gtcatggaaa agctgatgat gttggtaccg 420

ttcaagtttg gggagaaatc ttcacaggcn ttgctttc 458

<210> 5726
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-B2

<400> 5726

acgcgtccgc gaacttctcc ctcctcctct cactttcacc atggattccg tctccggtta 60

cgccgccgga gcaggtcagc ctcgagtcgg tgggaaaatt gttcgaccac gacgcaccgc 120

tgttgtcagg acgccgtgtg agcgccccgt tcagagatcc cgagatcctc ctcagcaaaa 180

ccctagttgg atctccaggc tcgtttacaa acccgccagc gtaattgctt ccggcgccgg 240

aaaattcatt tcttccgtcg tcttctccga ctcttcctca tcttcggagg aggacgagga 300

ttcatcttca gatattgatg gtgatgagga tgttgagaag aacaatcccg attttactga 360

agaggacttc tgagtgccca agcaaccaag cattcaacga ctcanttcta agcgtgtaat 420

tgagcanttc tcttgcaag 439

<210> 5727
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-C10

<400> 5727

acgcgtccnc ttctggctcc tttagcagaa ttgtccggtg tcgccgtcct ccatcggttg 60

gttcctctac caacggtggt tggctcttgt ctagcttctc cgtcgtccgt ctccggcggt 120

ttaggctagc ttttggccgg atttcttttt cggttttgtt ttatgttctc gttttctata 180

gatccagttt gattttgctc ctttgtgttc taactcttag agggctcaat tccttgaacc 240

tcctttgttt aaagggctca atttgttttt caagcttatc gatttcaatt atataaggaa 300

caaattagag ttgtggattg gggttttctc taatgccttt gagttgggtt ttatgcaatt 360

gaagtcaatt gtcatattgg gtttttggaa acgagtgttt ttattttact tttaagtgtt 420

catggaagtt t 431

<210> 5728
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-C11

<400> 5728

acgcgtccgg ttccttgctc atttcttatc tctagaaacc tgtctgattt gctccgtcgc 60

ctaaaaagtc taaaacccta agtgtctccg cctcgtagct ttacccgatt caacgaagag 120

tgaattcgcg tgagctcaag cagtatcgaa atctaccaat catggcgagt caaacaccga 180

atctcgagtg tcggatgtac gaggcgaaat acccagaggt ggatatggcg gtgatgatcc 240

aggtgaagaa cattgccgat atgggagctt atgtttctct cctcgagtac aacaacatcg 300

aaggcatgat ccttttctcc gagctctctc gtcgtcggat ccgaagtgtt agcagtttga 360

ttaaggtcgg aagaattgag cctgtcatgg ttctccgtgt tgacaaagag aaaggttaca 420

ttgatctgag caaacgtaga 440

<210> 5729
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-C2

<400> 5729

acgcgtccgc aaactgctga agtggtgact aacgcggata accagttgga agctagcagt 60

ggtatgacaa ctggtccagc tacagagaag aagagaaagc gaacgaaggg ctcaaaagat 120

cacatcaaac aatctactgc tgctgctact acaaattcaa gaaaaattgt gaatgagata 180

aatgaattac ctggaaatgg agattgtggt gatgctactt ctaaatctct tccaatccca 240

gaaagagaaa ctcttcaaaa tcctcttgta gaagcaatac aaaaagaaac tgagttgggt 300

gtgaaaactg tcgaagatgt gggaacaaat aatatggaaa ctgatactct agtgagccac 360

ccggaaaatc atttggtggc caacagtgag ttgacatcta ctccagttac tgagaagaag 420

aaaaggcaaa agaaagantc aa 442

<210> 5730
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-C3

<400> 5730

cggtccaaan aatcccgggg tcgacccacg cgtccgaacg gatccgtttt gagatcaaga 60

agaagttcat tttatcgtct ttcatggcga aggagcagca cttacgacct tggtttctgg 120

atctagtacc ggctttggtt gttttgctcg ccgcagctca tgtcatcgcc ttgggttact 180

ggatttacag attggccact nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnncgat taggtggggg ttttgtgatc attgatttaa 360

gtcgcttatg aggatttcgg aaatgtttgc ttggaattcc gcctaactag aagtgatttt 420

gaagatactg ggttagatgg atcatatcag ctcacgaatt cgt 463

<210> 5731
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-C4

<400> 5731

acttattcgc cgccacggtc aacaatcccg ggtcgaccca cgcgtccgga cactaccact 60

ttccattaca atctctttga acaaacctcc tctgaggaag agaatagtaa aaagaatctt 120

ctggatatgg tagagagaag cgcttattat gcagtccgag tcattctgaa acgtttgctt 180

tcggaacacg aaaacgctcg gtttgtagtc actggtcaca gcttaggagg tgctttagcg 240

atactgtttc ccacattgtt ggtgttgaat gaggaaacag agataatgaa gaggctgctt 300

ggagtttaca cgtttggaca accaagaatc gggaacagag aggtcgggtt attcatgaaa 360

gctcaactga atcaacctgt ggatcgatac ttccgagtcg tttactgcaa cgatatcgtc 420

ccgagattgc cctacgacga caaaacgttc ctctataaac atttcggact ctgtcttt 478

<210> 5732
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-C5

<400> 5732

acgcgtccgc tcgagtcctc gtcgctcgta gacggtgcca agcttcagtc cttagaccct 60

acggcggttt aaagcccttt ctttccttct gcagcttacc taactccact gcgccgttcc 120

gggattcgtt gagagcaaaa tccgatggat tggctcgggc ctatgttacc ggagcgccgc 180

ctatcgtgga agaaccagac ccaaagattg aagaatccaa atctgaggct gaatcgaagg 240

atttaattag ttgggggctt ctgtggagct tgatgagcaa gcacaagctc aggctcagtg 300

tttgcttatt gactctcctt ggatgcagta cttgcactct ctctatgcct gttttttctg 360

gtagattctt tgaagtactg attggggtga agaccggagc ctttgtggcg gctgctgaac 420

aaaattgctg t 431

<210> 5733
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-008-Q1-E1-C8

<400> 5733

acgcgtccga tttctctcca ctcagatttc caattcctaa agatagagag aatgactaaa 60

atctctgttg gattgcaact tgtgacaaga gattcgaggg aaaaactaaa caatatagtg 120

atcaaatctt cactgagact aaaccgatcc aatccaaaca tctcggagct ttgtttcctt 180

aaaacatgtc atctctgcaa taaacaactc catcaagaca aagatgttta catgtacaga 240

ggagatttgg gattttgtag tagagagtgc agagaaagtc agatgttgat tgatgataga 300

aaagaactag aggcttcgac gaagatgatg ttggcttcgt acagacgatg taataacggc 360

gccggaaaaa gcgagtctcg gaatttgttt gatgatctcc ggcgacgact caattaatta 420

tagttccttg aggctt 436

<210> 5734
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-008-Q1-E1-D10

<400> 5734

acgcntccna gtgaagtatc acgactttga tttatttctg tatatctaat gatgcangcg 60

gtatcagttg atnanaccaa aaacacggtg gtgctacggg cggtgcacaa gaatgaanaa 120

ggccggaaat ctgttgataa gttcgaagtg aagacacnta gtccgganac natcaagagc 180

gttgatcgga agcttatgga gaaaggtgtt caacggatgg atcgtcatcc ttccgatggg 240

attcctctca ggcgaccacc atcnaagtca ggtcacggnn ggaagtacac ntgggaagga 300

cctgatcgga tggaggatta ccagatgcag cnggatccan cggcgatnga tgaaggacat 360

cntaattacg acgacgaaca ggtgaaagaa gantgggtga tgacctnnng gttgaacctt 420

gttaaacgag aagg 434

<210> 5735
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-H5

<400> 5735

acgcgtccgt aagcattaag tcctttagga ttccagagct ttttattgaa gttccagaaa 60

ctgcaacagt aggatcacta aagaggactg tgatggaggc tgtcagtgtt ttactcagcg 120

gaggaatacg tgttggggtg ttaatgcatg ggaagaaggt tagagatgaa aggaaaactc 180

tgtcccagac tgggatctca tgtgatgaaa atctagacaa ccttgggttc accttggagc 240

ctagtcccag caaagttccc ctacctttgt gttctgaaga tcctgctgtg ccaaccgacc 300

ctacaagttt gtctgaacgg tctgcggcgt ctcctatgct agattctgga attccacatg 360

cagatgacgt gattgattca agaaatattg tggncaataa cctcca 406

<210> 5736
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-D4

<400> 5736

ccggcccggt cacacaataa cgggncgagc cacgcgtcca nccaancgtc cgcccacgcg 60

tccggaaata ttcatcgcaa ttcgtatcgg tttaaagtaa aaaaagcaat gggaggtggt 120

aaagacaagc atcatgatga gcaagagaaa ggatttcatg gttttccagg aggtggacat 180

tacccacctg ctcaaggagg ttaccctcct caaggttacc caccacaaca agggtatcct 240

ccagctggag gctacccacc tgccggatat cctcctggtg cttaccctgc tgcgcccggt 300

ggttatcctc ctgcacctgg aggttaccct cctgctggct atcctgcacc tggagctcac 360

cattcangac attctggtgg tggactccng atgcatgata ncaggtgcaa ctggtttanc 420

cgcaagcaag ctttatggag ctcancatgt tnggcaagnc tcttaaaaac cct 473

<210> 5737
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-D6

<400> 5737

acgcgtccnc tgaactcctt ggtggcattg agcaactgct gataggtaaa tgatgatcca 60

agactcccaa agtttataga gactcctcct cttgagggaa gtgtttcatc aggaggtaat 120

gggccaacac cgttgtgtct tcctctagga tgattacttg ttgatgatct gtttcttcga 180

cggacacaga aactcactgt tattggtaac actatgagaa tgagcataag caatatagac 240

cctccaactg cagcaagtat aactattttc gtgtggctta accaggaagt tttagaactc 300

ttcttctctt catgttgtcc gaaattgttg aaagttaagc ccttttttga ataaaacaaa 360

gtgcaatccg acaacttccg ctgcttctct gggccctgaa gacaattgtt gctcaatgaa 420

gctctggttg gcacaaa 437

<210> 5738
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-E1

<400> 5738

gggcccggtc acnaattaac gggtcgaccc acgcgtccnn ccacncgtcc gcacgcacaa 60

caaaaagcaa gaatatatac cactttgtga acttcagaga tcctatagca atggcgaacc 120

taccgattct tttggattac tggccaagta tgttcgggat gagggctaga gttgcgttgc 180

gagagaaagg tgttgagttt gaatacagag aggaagattt ctcgaacaag agcctttac 240

tcctccagag taatcccatt cacaagaaaa tcccggttct ggtccacaac ggtaaaccgg 300

tatgtgaatc tcttaacgtt gtccagtacg tcgacgaagc ttggcccgag aagaanccgt 360

tcttcccttc cgattcttac nggaaaactc aaggctcgaa tctgggctga attcntggac 420

aaagaaantt caccgaagcc caaatcaaag gattgggggg naaaaaaggg 470

<210> 5739
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-E2

<400> 5739

cccggtcana aataaacggg tcganccacg cgtccnccca cncgtccggt tcaacaaaca 60

aacaatatgg atgttcatta gggacatgat caaaggaaca ttcctctctg tcatactagg 120

cccacccatt gttgctgcga taattttcat agtccagaaa ggaggtcctt atcttgccat 180

ctatctgtgg gcattcatgt ttatcctgtc tctagtgatg atgactatat acccggtctt 240

gatagcaccg ctcttcaaca agttcactcc tcttccagat ggagacctcc gggagaagat 300

tgagaaactt gcttcttctc taaagtttcc tttgaagaag ctgtttgttg tcgatggatc 360

tacaaggtca agccatagca atgcttacat gtatggtttc cttaagaacn aaaggattgt 420

tccttaagat acgttgantc agc 443

<210> 5740
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-E3

<400> 5740

taacgggtcg agccncgcgt ccnaggagac tttcatgatt cgtgtcttgg agaacaagct 60

tctcttcgtt aagaagaatt tgatactatt cttctcgatt tagaaatttc aggggtttgt 120

tcttgtttca ggttttggga agagaatctg tgcgacaaga gactgtgact ggtggttgct 180

ggaacgagaa aacctccaag actggtggta atgttgatag aaacagggaa caacaggaga 240

atcatggttc aggttatcag caggatcaga gagtacaacc ctgtcatctg agttcttcca 300

tctattacgg tggtcctgat gtttatttcc agcctcaaaa ttccaccagc aactctacga 360

acaaagaaag atggaggcga aagatgantc cgggaagtgc ctcaaagaag gaaattggtg 420

gcaanggtcc cctgtattaa cnaag 445

<210> 5741
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-E5

<400> 5741

attcccgggn cgacccacgc gtccncccac gcgtccgccc acgcgtccgc ggacgcgtgg 60

gggagagtga gagaagagag aaacatttcg agacaaatgg ccgccgccgc tgctcgtcct 120

ctcgtcacca tccaaacctt ggatggtgac atgtccaccg atcaatcctc caccgtcgta 180

cttcccgacg tcatgacggc gccagttcga ccagacatcg ttaacttcgt tcacgcccaa 240

atctccaaca acagccgtca gccatacgcc gtatcgaaga aggccggtca ccagacctcc 300

gccgagtcct ggggaaccgg acgtgccgtg tctcgtatcc ctcgtgttcc cggtggtggt 360

actcaccgtg ctggtcaagc tgcgttcggt aacatgtgtc gtggtggtcg tatgttcgct 420

ccaaccaaga tctggcgccg ctggcaccgt cg 452

<210> 5742
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-E6

<400> 5742

tactcgcccg ncagtaaagt cacaaattcc cgggcnccac ttagagagaa gcagacagaa 60

cataactaaa atcgagaaaa atggcaaaca gtggtgaagg taaagtggtg tgtgtaacag 120

gagcctccgg ttacatcgcc tcatggctcg tcaagttcct acttagccgt ggctacactg 180

ttaaggcctc cgtccgtgat cccagtgatc cgaaaaagac acaacactta gtttcactag 240

aaggtgcaaa ggaaagactt cacttgttca aagcagaccc tttggaacaa ggttctttcg 300

actctgctat tgatggttgc catggagttt tccacactgc ttctccattt tttaatgatg 360

ccaaagaccc acaggctgaa cttattgatc ctgcggtcaa ngggacgctt aacgttttga 420

attcgtgcgc caaaacctcc tccggtaaaa agggttgttg ttaacctccc ccangg 476

<210> 5743
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-F11

<400> 5743

acgggtcgac ccacgcgtcc gaaacacaac accaaagcct ttataactct ttctggggtt 60

tttaattctc tcaacgaaca aaaaaaaaaa ctcaactaat attctccatc ctctttcttc 120

agatttaaga gaaaccttat cgttatattc tctcttctct tttctttttg actcccacaa 180

gaagaaagca aatttctttt tctcaggatt gcttgaaaac tgtagaaatc tttaaggttt 240

ttttacacca atannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc tattcataaa 300

aaagacaggt aatctcaact ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgggtgcttt tttaacanct tgggcctggg 420

aaaactttgn aatcccca 438

<210> 5744
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-F12

<400> 5744

aatttattcg ccgccacggt caanaatccc gggtcgaccc acgcgtccgn gcatcttcta 60

agataaatct ctccccgatt ctctcttttt ctcgctagat actcttttc ttcanttagg 120

gtttcttctc gcttgccttt taattctctc cagctgatct gatctccgtt accgatggag 180

tctactgcta acgcactcgt cgtcaangtg agctatggag gtgtgcttag gcgtttcagg 240

gtgcctgtta aagctaatgg acagcttgat cttgaaatgg ctggtcttaa ggaaaagatc 300

gctgctctct ttaacctctc tgcggatgct gaattgagtc tgacttactc tgatgaggat 360

ggggatgtgg ttgcccttgt tgatgacaac gatctctttg atgttactaa tcagcgtctt 420

aagttctaaa gatnaatgtg aacgctgggg tgtccactaa ctccg 465

<210> 5745
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-F2

<400> 5745

nggcccggtc aagaattaac gggtcgaccc acgcgtccnc ccacgcgtcc gcccatcttg 60

agtttagcag gaaagagagg atggctgacc attatgagtc tgtgaaggaa gattatcctt 120

ttgtggagtt gggatcaaga gtggtggatg aacgagatga tcactacagg aacttccgta 180

acgaagaaag aaaggttgtt tatttggata acaaatgtca agtactgaga aaggattatc 240

tatatgatgg tgttgacagt aagaagaatc ttgatttcag tgaaccatat gctgtagtag 300

atcgagatga taaagcttca cagagcataa cacgttgctt aaataaagaa agggaagcat 360

atttggataa tgagagaatg ctgtttttc agatgataaa agacaggaac tgnnaaacga 420

gtatcaccct ggcaatgatg gtangataca ttcctg 456

<210> 5746
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-F9

<400> 5746

acgcgtccan ccaagcgtcc gcttgttttc tcctccttgc cgttaagttc cattgaannn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnga cttttgaagt tttgatctga agaaaagagg tttcgttgta attggtttat 240

acatcatgtc tgggtcgagt atgtataaga cgaagctttg tattctgttc aataagactg 300

gtgattgttc gaggccgaat tgtacttttg ctcatggaaa tgctgagctt cgtcgtcctg 360

gcgaatcttc ctttacagga agactcacaa tatgggatag tgacttaaga gatagacgtc 420

acaatatgnt a 431

<210> 5747
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-G1

<400> 5747

ttactnggcc cggccgggtc aangaatnaa cgggtcgagg cncgcgtccg naccttgaaa 60

ggntacgaca aagtatccga ccaagaaaac caaatccatc atcatcatca ttctccactt 120

ncaaaaccat catcattttc ccgtaaaacc ctaatcgcca ccggntccgt cgtatctctc 180

ctcttaatcc tctccgtcgt cgctttaacc gccggagctt tcactcactc tcctccacac 240

catccaccta tctcctccgc ctctctcaag tcactatgct ccgtgactcg ttacccagag 300

acctgtttca actctctatc atcttctctc aacgaatctg attcaaagct taaccctgaa 360

tcaatcctcg agctttctct tcgagtcgct gctaaagaga tctcaaacnt ctctatctct 420

ttccggtnaa tcaacgatat gcctgaagga ccngcgggtg gtgantggtg tgaaaccttt 480

ca 482

<210> 5748
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-G3

<400> 5748

acncgtccga ttggccaagg ctttggccgg tcagacaaat gagagtttct tcactgccaa 60

cgctgacgca ttgtcttcga ggaggtcttc cccaagagtc accaatgagt ctgtccagaa 120

ggctgctgct gctttgaagg gatctgacca ccgccgtaca actgaagtta gcgcaaggct 180

agatgctcag cagaagaagc ttaaccttcc aatcctccca accacaacca ttggatcctt 240

cccacagacc gtggaactca ggagagttcg ccgtgaatac aaggccaaga aaatctctga 300

agaggattac gtcaaggcca tcaaggaaga gatcaagaaa gttgttgaca tccaaganga 360

ccttgacatt gatggttctt gttcacggag aacctgagag aaacgacatg ggtgagtacc 420

tttgngaaca aa 432

<210> 5749
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-D3

<400> 5749

ttccacctgn tccggcccgg tcacaaatna cgggtcgacc cacgcgtcca cccacgcgtc 60

cgcacgcgac tccttgtgag attctccgat tgcttcgcct gagtttctgg gttaactctc 120

cacgccgtca ctttgatctt tgcttttccg atctttaggg tttttgttta gggaattgtc 180

gaagactctg ctctaacatg tctggaagaa aagaaacggt tttagatttg gccaagtttg 240

tagataaggg tgtgcaagtt aagctcactg gtggtagaca agtgactgga actcttaaag 300

gctatgacca attgcttaat cttgttcttg atgaagcagt cgagttcgtt cgagatcatg 360

atgatccttt gaagactacg gatcagacaa gacgccttgg tttgattgtt tgccgtggaa 420

cancgtgatg cttgtctcaa caaccgatgg cancgaagaa atcgctaaac cgttcgtt 478

<210> 5750
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-006-Q1-E1-A8

<400> 5750

acgcgtccgc ccacgcgtcc ggataactcc gagaaatcta ttgagctctt cattagtatt 60

ggtttggacg agaaaacagc tcgtaatacc atcaataata acaaggtcac cgccaatctc 120

accgccgtta tccacgaggc tgctgttact gatgggtgcg atcgaaatac tggcaatctg 180

ttatactcgg tcgctactaa gttccctaca aatgctcttg tgcatcgccc tacattgctc 240

aagtacattg ttaactctaa gattaaaact ccagcccaat tggaagctgc atttgccttt 300

tttgccagta ccggtcctga ggactttaag ctgaatgagt ttgaagaggc atgtggtgtt 360

gggattgaag tttccccaga agatattgag aaagcagtta aaggaatctt tgaagagaat 420

aagaaaacaa tattggg 437

<210> 5751
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B1

<400> 5751

gcgggccgag cccgcgtccg cttgcatgca acacagtttg tgacttttgt tttgttttac 60

gtcaggacat atttctagca ggagttggaa caagctccac tacattgata tgggcgatga 120

ccgagctgat cagaaacccg agagtgatga agaaagttca agacgagatt cggacaacac 180

ttggggacaa gaaggagaga tcacagaaga agatttaaac cagcttcact acttcaaggc 240

tcatggccaa agagatatcc anggttacac caanaagtcc acttttgctc ccangagaga 300

cattgtcnca tgtcaagatc caaggctacn atattccngc taaaacacag atcatgatca 360

acgcttacgc nattgcacgt gatccaaaac tatggacaaa ccctgatgag tttancccga 420

aaggttc 427

<210> 5752
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B10

<400> 5752

acgcgtccga acgaaagacg ttgcagagga gaaaattcaa aacccacctc cggagcaaat 60

tttcgatgac tccaaanccc ttactgttgt tgagaaacct gtagaagagc ctgcaccggc 120

gaaacctgcg tctgcatcgc tcgatagaga tgttaagcta gctgatttgt caaaggaaaa 180

gagattgtct ttcgtcagag cgtgggaaga aagcgaaaag agcaaagcag agaacaaagc 240

tgagaagaag attgcagatg ttcatgcttg ggaaaacagc angaaagcag ctgtcgaagc 300

gcaactcaag aaaatcgagg agcaactaga gaanaagaaa gcacgagtat gcaagagagg 360

atgaataata aggttgcatc gattcacaan ga 392

<210> 5753
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B11

<400> 5753

acgcgtccgc tagttggcgc aggaatcaag cctacttcaa ttgtgagcta caatcacttg 60

ggaaacaacg atggaatgaa tctctcagct ccacagactt tcagatctaa ggagatctcc 120

aaaagcaatg tcgtggacga tatggttgct agcaatggta tcctctttga gcctggggaa 180

cacccggacc atgttgttgt catcaagtat gtaccgtatg ttgcggatag taagcgagcc 240

atggacgagt acacatcaga gatattcatg ggagggaaga acacaattgt gatgcacaat 300

acctgcgagg actctctctt agctgctcca atcatcttgg atcttgttct cctcgcggag 360

ctcaacaaca aggattcagt tcaaatccga agggaaaagg gaaagnttca ctcctttcaa 420

tcctgttggc aacataatca nc 442

<210> 5754
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B2

<400> 5754

cgggncgacc cacgcgtccn tgatgattta agtcttgcga tcaagaaaac tcaaatctta 60

aaactttctg gaaaaacaaa aatgtcagga agaggaaaag gaggaaaagg gttaggcaaa 120

ggaggagcaa agagacacag aaaggttcta agagacaaca ttcaaggaat cacaaagcca 180

gcgattcgtc gtcttgctcg tagaggaggt gtgaagagaa tcagtggatt gatctatgaa 240

gaaacgagag gtgtgttgaa gatttttctg gagaatgtga ttagagatgc tgttacttac 300

actgagcatg cgaggaggaa gacggtgact gctatggatg ttgtttatgc cttgaagaga 360

caaggaagaa ctctatatgg atttggtggt tgatcaattg agatctgggt ttccggtgaa 420

tgatgatgat tttaatcctg catttnaaa 449

<210> 5755
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B3

<400> 5755

cgtccgtttt tntgatctga gaaaaaaaat ggcgaatgga gctaatagag tggatctcga 60

cgggaaaccg atacaaccgt tgacaatatg catgatcggc gccggaggtt tcatcggttc 120

acatctctgt gaaaagctct tgaccgagac gccacataag gtgcttgcgc tcgatgttta 180

caacgataag atcaaacact tgcttgagcc tgataccgtt gaatggagtg gtcggatcca 240

gtttcatcgt atcaatatta agcatgattc gagacttgaa ggtcttgtta agatggcgga 300

tctgattata aatcttgctg cgatctgtac tccaagctga ttacaataca cgtcctcttg 360

atactatcta cagcaatttn attgatgcgc ttccagttgt gaaatactgt tcctgagaac 420

aacaaacgtc tcaatcn 437

<210> 5756
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B6

<400> 5756

acgngtccgc ccacgcgtcc gctcctgttt ccgttttact cgacatcgtt ccgacgactt 60

ttgacctgga atcgacgcag tgacttcaat tcaactattg cacttggttt gttggcaatg 120

gacaaaggag cacctcctag tatttttgtg aatgatgggt cattcatgga aagattcaga 180

cagcttcaac aggagaaaga taaagacaag gataaggttg tccaagttga ggattctaag 240

ccggtgaaga ttatatcaaa tcccaaacct gctgctaata aaatttccat tggattaaag 300

cccaatgatg cccagaagaa aggtggtaag cttgctttca gcttgaagca aaagtctaag 360

cttcttgcac ctcctgtgaa gcttggtaca gaagaagatg aagatgatga agatgttaac 420

atgnacaaag g 431

<210> 5757
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-B8

<400> 5757

acgngtccgc ggacgcgtgg gttgtcatgg aatttataca ttccactcct caaagtactt 60

gaatatcttc cacgggggag tccttcggaa gcatgcttga tgaaaatatt tgttgccact 120

gtggaaacaa tactcagtag aacttttccg cctgaatctt ccagggaact aaccagaaaa 180

gctagatcga gttttaccac aagatcagcg accaaaaatc ttgctatgtc tgagcttcgt 240

gctatggtcc atgctctctt tttagaatca tgcgctggtg tggaattagc ttcacgccta 300

ctttttgttg tgttgactgt atgtgttagc catgaagcac agtctagtgg tagcaagaga 360

ccgagaagtg aatatgctag tactactgaa aatattgagg cgaatcaacc tgtatctaac 420

aatcaaactg ctaacc 436

<210> 5758
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-C12

<400> 5758

acgcgtccgc ccacgcgtcc gaaaaagaat aacaatccga cgagaaagag gaaagatcaa 60

atcatctaag tgctggtgcc ttgattctgc agttctccat tttaatccaa caaaaaaaga 120

agctgaatcg acggtataga ttcttcaaag aagcaatcat aacgcaattg attatatccc 180

caaaagaaaa ggtttttaaa ctccaaaaat gcagactcca aaatcaagtg attgtgattg 240

tgtgtgatag gccaggatca ttggagctgc cacaaaagaa gtctccttta ccagctccca 300

aagttgttag gagactcaaa ccaagcggag cagaatccga ttcaaaaacc aagacaatat 360

cgaaaactca aatcccgaaa gtataactga tngtcgctct gcaagaaacc ctcccaatga 420

gaatcagaag aa 432

<210> 5759
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-C4

<400> 5759

cggtcaaaga nataacgggt cganccacgc gtccgaacga attcttctca ggtgttaaag 60

aatgtctcgg agatatgata gccgtaccac aatcttctcg ccanaaggtc gtctttacca 120

ggtagagtat gctatggagg ccattggaaa cgccggttct gcgattggaa tcttatccaa 180

agacggtgtt gtgttgatcg gtganaagaa agtcacctca aagcttcttc aaacctcaac 240

ctctgctgag aaaatgtaca agattgattg accatgttgc ctgtgctgtt gctggtataa 300

tgtcngangc taacatactt atcaacacgg ntcgagttca agctcaacgt tacaccttca 360

tgtaccaaga gcccatgccg gttgagcaag ctggntc 397

<210> 5760
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-C7

<400> 5760

acgcgtccnc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnna aatcgtttca tctttttcc ttcttctaat ttttttagg 180

tttttaatta acttttgctt caagttttct tctatagatt tcttactcag aaaagtttcg 240

aattcgaccc tgtagcttag ttgttgttta taatttcttg tgatcattca cagtacaaaa 300

aaactaattc acccaccgan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ccgggaaatt tgatctcttt acctttcgtc 420

attattaagt angga 435

<210> 5761
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-C8

<400> 5761

gtacaagtca naaattcccg ggccgaccca cgcgtcnacc cacgcgtccg ccgtgtgctg 60

agaaccagaa cgaaacccta gcaaaatatc gccatgggta aggtcaaagg aaagcatcgt 120

ttggataagt actatcgtct cgctaaggaa cgtggattcc gttctcgagc ttcctacaag 180

cttcttcagc tcgacgccaa gtactctctt ctccactcag ctcatgccgt tctcgatctc 240

tgcgccgccc ctggtggttg gatgcaagtc gccgtcgaga aagttcccgt cggcagcctc 300

gttctcggta tcgatcttgt cccgattctc cctgttcgtg gctgtgttac tatgacgcaa 360

gatatcacaa ggactgagtg taaatcgaag atcaagcaag tgatggagna gcatggtgtt 420

agtgctttta atttggttct gcacgatggg tctccaaatg ttggt 465

<210> 5762
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-D1

<400> 5762

acgggtcggg cncgcgtcga tacatctcag aaangganct gcatcaatgg ggaacaataa 60

tgattttggg gcnttcaatg agaaagttac aatctctcca acttctactt cctcgtcgcc 120

tccttctcta cagggtctta ctttcgccat taaagacatt tttgatgtgg aaggacgcgt 180

taccggtttt ggtaacccgg attggttaag gacacactcg gcagctactt ctacagctcc 240

agtagtttca tctctcttag aagctggtgc cacagctttg ggtattacca ttatggatga 300

aatggcttac agtataaacg gagaaaatgc gcattatggg actccgagaa acccgattgc 360

tttcgataga gtgcctgggg gatcatcgag tggctcancc gtanctgtan ctgctcgtcc 420

tgtggatttt ccaatgggac tganaa 446

<210> 5763
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-D2

<400> 5763

cgggtcganc cacgcgtccg cccacncgtc cggagcttta ttcttgccct agagataccg 60

agcgggagat tccagattga gagcagcttc gagtctctct ctcctcgccg ttccttttcg 120

cttcttcaag tttcgttgcc agagagattc taggtattga agttatagaa tggactttga 180

tgagtatgag tacttagaga agacagttga aaatcctcac ctggagaatg aagttggtaa 240

tggtggtggt gatgagaaag tcaaatctga agggaaagag aggagtagga gctcaaggca 300

tangggtgac aagaagaagg agagggatga agatgaggat ggtcggcgtt ctaagcggtc 360

gagatcgcat caccgttcac gttctaagga cagatagaag gataagcata aaat 414

<210> 5764
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-A6

<400> 5764

acgcgtccnc tgctctcggc tgataatagc tggacatgat aggaggatat atattgttga 60

cgttggtagc atggagttat tacattcttt tacaccacgc caggagggac aggaaggtga 120

atctcctcct catgagcctc caattacaaa actgtatact agctcaaatg atgattggtt 180

agctgctatc aattgctttg gggacatata tgtgttcaac ctggaaacgc agaggcagca 240

ttggttcata tcaaggcttg atggtgcatc tgttgcagcc gctggttttc atccgaggga 300

caacaatgtg attgtgatct ccacctcttc aaaccaggtc tttgcattgg atgtggaggc 360

tagagagttg agcaagtggg cattgctgca nacttttttgt ctgccaaaga gctaccaaaa 420

ttttcctggg tgan 434

<210> 5765
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G1

<400> 5765

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ctttagcgag aagtagctgc ttcatcccca aaccttattc ctttagagat actaagctga 120

gaagcagatc caatgtcgta ttcgcgtgca atgataataa gaacattgct cttcaagcta 180

aggtagataa cttgttggac cgcattaaat gggatgacaa aggattagct gtggcaatag 240

cacaaaacgt tgatacggga gcagtattga tgcaaggctt tgttaatagg gaggccctct 300

ccacaaccat cagttctcgg aaagctacat tctttagtcg atnaagatct accttaagga 360

ctaagggaga gacatccaat aacttcatca ataatcctga tgtgtaagtt gantgtgatc 420

gtgaatcgat tatttncctt gggacaactg atg 453

<210> 5766
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G11

<400> 5766

aactgcccgc gggtcaggta aaggtanaga nttcccgggn cgacccacgc gtcnggatca 60

gagacgtgcc atgactttcc cgagagatag tatgatttac cgagaaaggc attgcgctcc 120

tgagaatgag aagctccatt gtcttatacc ggctcctaaa gganatgtga caccttctc 180

ttggcctaag agtcgagact atgtgcctta tgctaatgcg ccgtataaag cattgactgt 240

tgagaaggct attcagaatt ggattcagta tgagggagac gtttttagat tccctggtgg 300

tggaactcag ttccctcaag gtgctganaa gtatatcgat cagcttgctt ccgtgatanc 360

tanggacgaa cggaactgtt aggactgctt tggacactgg ttgtggggtt gcaagttggg 420

gagcgtactt anggagcaga tnatgtgcgt gcaantgtcc tttg 464

<210> 5767
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G2

<400> 5767

ttggntcagc cccggtacag anaacccggg ccgacccacg cgtcnanctt ttttaaagga 60

ccctaatcac tctgagtacc actgactcac tcagtgtgcg cgattcattt caaaaacgag 120

ccagcctctt cttccttcgt ctactagatc agatccaaag cttcctcttc cagctatggc 180

tgcttcagta cactgtacct tgatgtccgt cgtatgcaac aacnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

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ttnaaccaat tccaaccttt tgaagaaagc ctttctaaaa 460

<210> 5768
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G4

<400> 5768

cttgntcagc ccggtacaga caacccgggc cgacccacgc gtcnngacca aacaagttcc 60

gggtgttttg aaagaacccc gacaatggcg tggaacgtgt tcaagttctg cacagcactt 120

cgcgccttgg gttcgatcat gatcttaatt gttatcggga tcatcggatt cacatactac 180

gccgttgtcg tcgttaatta cggacctgct ctactgatcg gtggtgtcga ttcattacta 240

tctgttctcg tcttagcgtt cttccacttt ctgcttataa tgctactgtg gagttatttc 300

tctgttgttg tgacggaccc tggtggtgtt ccaacgggtt ggaggccaga attagacata 360

gagaaaagcg aaggaaacca agctttgant ggagaagctt cggttggana tcctccgtcn 420

caatggtgta agatattgtn aaaaagtgaa tcaataataa accgccccgt ttcaacaatt 480

gttaatn 487

<210> 5769
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G5

<400> 5769

acgcgtcnnc aaatttgtgt gatcttctcc agaagaaact tgaggaactt taagctaaac 60

ctctgtagtt ttcagattga ttcgttggtg gaaagcgtct aaattttgcg taaatggcgg 120

cagctcttgt acgcagattc tgccggggat catcttttcc ggtctctggt catggatata 180

ggatgctatc gacggttgaa aatgtatctg aaagtggtaa atcgatgaat ctatactctg 240

ctattaatca agctcttcac atcgctttag agaccgatcc tcggtcttat gtttttgggg 300

aagatgttgg atttggtggt gtcttccgat gtacaacagg attagctgaa cgttttggga 360

aatctcgagt tttcaacact cctctctgcn agcaaggcan tgttggcntt ggcantgggt 420

taaccgcaat ggaaatcnaa ttatt 445

<210> 5770
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G6

<400> 5770

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gagaaatcga tgaagctaat cttgctcctg aaacttcact tattaacaaa gagaatcaag 120

actcatcggc gacaataaca actactctct tgctcaccac ttttgtagcc gtgtctggtt 180

cctttgtctt tggctcagct ataggatatt catcacctgt tcagtcggat ttaaccaagg 240

agttgaatct ctctgtggca gagtactcgc tcttcggttc gattctgaca attggagcaa 300

tgatcggcgc agctatgagt ggacgaatcg ccgatatgat aggcagacga gctactatgg 360

gtttctcgga gatgttttgc attctcggct ggttagcaat ctaccttccn aaggttgcaa 420

ttggctttaa ctttgggaan attcctgggt tgggttatgg aaatgggc 468

<210> 5771
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-G8

<400> 5771

anagaantcc cgggccgacc cacacgtcag ctcgactgtt ttcttcgtct actatttgtt 60

ccttttggat attcttcgga cttttcgttg atttgatttt caagagagag agtttgaaca 120

aggaaggatt gaactatgga agatgcatca gagactagct actggtgtca catgtgctcc 180

cgatcggtga ttccattgat tcaagacgaa atcatcaaat gcaatttctg tcaaagtggt 240

tttgttgaag aaatggataa taatgatgac catcaggctg ctgattctct ctggactcct 300

atcttgatgg agatgatgaa caacaatcac gaccaacatt ctacaaatca ggaagactca 360

gaatctattc ttggaagatg agacgaagac gaagatgatg gtgatgatgg tgatnagaac 420

aagatggaga aattgtatna ccctca 446

<210> 5772
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-H10

<400> 5772

agcgnccagg taacggtcaa agnattcccg ggctttattt cctctancaa accccaacaa 60

ctacctgaag actattctct ctcaaaagct tacggaacga aatgactcac cgtatagctc 120

ctcgatgttt ctccaccatc atgcttctat gtcttctata tacttcacct ctagatgtta 180

tagctcaggg tcagggagga caaggtgata taccagttgt taatcctaca gctccaggtg 240

gtagtaccac aacaccaacc ataacacaac cgtcaccgcc ttccttgaca ttcccaggtc 300

caactacacc aactggtggt tatccacctc ttgacggtac cacgccaacc ggtggttacc 360

caccacttta tggtactaca ccgccannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn tacacctggt gggaggtgga ggtggaggtg gtgacactgg tg 472

<210> 5773
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-H4

<400> 5773

ccgggccgnc ccacgcgtcn actctntcgt cctcagatag tgcgcattgc agaacacaaa 60

atctctacaa gaaaacccca aaaatggacg gactttgcta cgtcatcttc atcatcttct 120

ccctgctatc ctgcgctttc tctcccttat catacgcctc tccggccact ttcagtcgcc 180

gtcaccttct tcaagctcct gtaactgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnncaatt ttgcgaaatt tccgggggaa naaccncggt ccnngtcttc cttngttccc 360

cnaaacggaa aaatccttcc gntaaatcct tatccnggga anncggccgt ggcccnccgg 420

nggaaaatta atcgncttgg gccttttctt caaagg 456

<210> 5774
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-H8

<400> 5774

acgcgtcngc ccacgcgtcc gcccacgcgt ccgcaaaagg cttcgttatc cccaagccat 60

acgagagatt acgagtaagt gatacgttag ccaaagagtg tcaccaattg attcaatatc 120

ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgattttt ataaaaatgg 180

cggcggatgc tctgagaatc tcgagttcta gttctggttc gttggtttgt aatcttaatg 240

gttcacaaag acgacctgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaattcc tcagtttctg ggtacttctc 360

gtattgggct angttcttcc aagctctcac aaaagaaaga aacaattctc aatcttcgct 420

gcaactgaaa ccgaagngaa a 441

<210> 5775
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-A10

<400> 5775

aattcnattg ntcgcccggt cttggtaacc cgggncgacc cacgcgtcca gtccattgct 60

anccagggga gcttcaatgt tcgtaaagaa gttgaaaact tggtagtagc gtncatgaca 120

ccaangctga taagtaacct taaaccanag acgcaatcaa agcttataga taatctcaac 180

gccttcaatc ttgattggtt taagtccttc ttaagactct ctacttggaa agctgtcacc 240

aaagncctca agtcacgcga agaagctatc caggtgatga aagacgttct catgatgaga 300

aaagagacgc gagagangca agaagacttc cttaanacgc ttctagaaga antggngaan 360

gacggtagct ttttcgacta angatcggct atnaatctca tcttccttct ggcgtttgcc 420

ttgagagaan gtacctccaa gttgtactgc tttggccgtn aaagttcaaa tcc 473

<210> 5776
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-A2

<400> 5776

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ctctttcaaa aatgcatttc tcttcgtctt caacatcgtc cacttggaca atcttaatca 120

cattgggatg tcntatgctt catgcatctt tgtccgctgc tcaactcacc cctaccttct 180

acgataggtc atgtcctaat gtcactaaca tcgtacgaga aaccattgta aatgagttaa 240

ggtcggaccc tcgtatcgct gcgagcatcc ttcgtcttca cttccacgac tgctttgtta 300

atggttgtga cgcatccatc ttgttagaca acaacgacat catttcgaac agagaaagat 360

gcgtttggga aacgcaaatt cggctcgggg atttccagtg attgatagaa tgaaannntgc 420

ggttggaaaa ggnatgccca anaaccgttt cat 453

<210> 5777
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-A3

<400> 5777

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acgagctcga gattattgat tttcaagtgg agattgaatc agtgataatg gacaatgaga 120

cgaaagcaac caccttcagc aaatcaacag ggcttcctag gaagagattc tacagagcaa 180

gagctcatag taacccactt agcgattctc acttcccaat ccccatatct ccagctcatg 240

tcgactattc acttcacttc cccaaattcg ttgaagctga caacaaattc atcaagaagg 300

ttgagtttgc ggatatcgga tgcgggtttg gtggcctact aatctccctt gcgacgcttt 360

tccccgatac gctaatgatc ggtatggagc tcagagataa angtgacggg agtacgttna 420

agaacggatc ttanctttta aggggaacaa actccggggg 460

<210> 5778
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-A5

<400> 5778

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tgactgctgc tcaaggacct caggataccc aggccctgaa cggaagattg gcagcaccta 120

gttcaccatt tgatgatgac tctgatgatg ttgatgagca acctcttgtt agacacaggc 180

caagacgtgc agcatccgga tctctggctc cacctaacgc tgatcgttcc cggagtggga 240

gtcctgaaga agaacatgca agtattaatc cagcggagcg tggcagtggg tttccttctg 300

agtggggagg catttcatct gaggaacatg atgaagctgt catgctcgag gcaaccatgt 360

ttggtggcat tcctgaaact ggatataatc atcttccatt cttacctcct caaccgaagg 420

cccaancaag tcaacctcaa ct 442

<210> 5779
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F5

<400> 5779

acgcgtcnng gaaaacagct atatctattt tcagtggaaa atttgccaag tcctcccaag 60

ttactgatac ttcagccaat aaagctgagg agaaggtcac agaggcaaga tattcaactc 120

attctttgga agaagttgct gggatgatac gcaagactat ttctgtctat gaagcaaagg 180

tgaacagcac attttgtgat tttgatgaat catgcattct ccgcccattt atgagtgatg 240

ccattaacga agtatcaaaa gcatgccaag cttttgaagc caaagagtca acgccccaca 300

gtgctgtcgt tgcactgaga aaaatccagg cggaaatcac taagatttat atccaaaggc 360

tttgctcttg gatgaagggc ctccacggaa ggaattcaaa agaggaacnt ggatccggtt 420

ccaatcctga a 431

<210> 5780
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-A8

<400> 5780

acgcgtccgg tttttgcttt atcgtaggct tccttcattt gcacgaacaa caacaacaac 60

ccttctctgc aaatctatgg agcctgcgat aacagcgact tcttcttctt ctttcggtgg 120

tggctcttct cgtctcgccg ctttagccca gcaacttcgc caatacaagc ccccaccttc 180

ttcatcgttc gatgactccg aggagatgca gacagatcag gagaccgctg ggaaagtcgt 240

ttctcaggtt gggtttcagg aatctattgc tcctctttcg aaagaccctg ataggtttaa 300

acccaagaga gccgctgtgt tgatctgtct ctttgaagga gatgatggtg atttgcgtgt 360

tattcttact aagagatctt ccaaattgtc tactcactct ggagaagttt cattgccagg 420

tggtaaagcg gaggangatg ataa 444

<210> 5781
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-B3

<400> 5781

gaattaacgg gccgaagcca cgcgtcanct cacnctttgt gcaagaaacc ttgagagctt 60

aaaaattctt cacttgggtc tcttctctct ctcttctctt gcgaccattc cgttcgatcc 120

atatatcaaa gcttgattta gttggttttc aatgggggac agtcagtact cgttttctct 180

caccaccttc agcccatcag ggaagctggt tcagatagaa catgccctaa cagctgttgg 240

atcaggccaa acatcacttg gaattaaagc ttcaaatgga gttgtcattg caactgaaaa 300

gaaacttcct tctatattgg ttgatgaagc gtctgttcaa aagattcaac atttgactcc 360

caacattgga actgtttaca gtggtatggg tcctgatttc cgagttcttg tgcgaaagan 420

tangaagcat gctgagccan tatccccgtc tgtacnagga a 461

<210> 5782
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-B5

<400> 5782

acgcgtccga aaaattaaat atccatccaa ctgtgtgaat tagatatttt ctcttatctc 60

ttctctttgt tcgatcaaaa attcaatttt cccgagattt ttgtttctct cgatcgattc 120

aacacctaaa gattgaagct tttgctcgtg ggttatgtaa agtttccacc tttcgtcttc 180

tttctgatct gtgagcaaaa atgggacaac agcaatcaaa aggggaattg ctgtatcagc 240

aagttagtta tggtaactct gaaggaattc gagctcttca tcgagatggt ggagaccttg 300

agtggatgga tagagaagga aaaactccgt tgatcttggc ttgtatgaac tccgagctat 360

ttgatgttgc taagactttg attgagttgg gttctaatgt naatgcttat cgtcctggcg 420

tcatgctggg actcccctgc 440

<210> 5783
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-B6

<400> 5783

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agcgagcaag atacgacacg aaatcgatct ccccccttgcg ttttccatct ccgtcgtctg 120

ctgaaaccat ttgatcgatc tctcagataa ggttctcagg atttaggttg cttctatgag 180

aaggacacgt tgcagttggt gcttcatgtc tagtttctca accgtatagg gagtcttcaa 240

cttctgggca taagcaagtt tgcaccactc gtaatggctg gacagcattt gtaaaaagag 300

tctctatggc tagtggagca attaggagat tccaggagcg tgttttaggg cctaatagga 360

ccggtcttcc gagcacaact agtgacgtat ggctcttggg tgtctgctat aaaanatctg 420

cggatgagaa ctcaggggaa accgatactg gcactgtatt ggctgcattg caactagatt 480

tttca 485

<210> 5784
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-B8

<400> 5784

acgcgtccgc tccaatttct tcattttatc agcttcctct cttctttagt ttctgggtca 60

ctttagtttc gctctttccg aggaaaaaca aaacaaagat ttgatttttc tttttggtgg 120

gtttaaacag tgatttcttc ttttgccctt ttattggttc ttattgttct cctcaaaagt 180

ctacaggatt gtcggaagca aacacacttg tccatggtta tgaatttccc tctaattggt 240

gaagaagaca catgaagcag tgaaatctct gtttgtattg aatcttatta gtctcaaact 300

atgaatttcc gacaagagaa gtttgtaagg tttcaagatt ggaagtcgga taagacttcc 360

tccgacgtgg aatattccgg taaaaacgag attcaaactg gaatattcca agagaacaat 420

aanctcaatc tccgacaagt tttac 445

<210> 5785
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-C10

<400> 5785

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gcttactagt attcaacaat ggcggatccg accaggaacc gattctcgtc ccgatccttt 120

tcgaactttc cggggactac aaaagggttt ctgcgtgggc attttaccgg acggagtcga 180

cagaaattcg gaggcttttt ctagcaattc gatcgccatg gaagggatct tatcggagct 240

tcgttcccat atcaaaaagg tattggccgg aggtggagag gaagcggtta agaggaacag 300

aagcagaaac aagcttttgc ctagagaaag gattgatcgg ctacttgatc ctggttcttc 360

ctttttggag ctctctcagc ttgcaggaca tgaattgtat gangagcctt tgccttcang 420

tgggataatc acanggatag ggaccaatcc aagg 454

<210> 5786
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-C3

<400> 5786

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cgatacattc tgctgctgca gaaattgatg aggccattga atcacatcga gcttcaatgc 120

gcttatcagg acgcttggcg tgtttgtcac cccaatttta aacaaccctt ctcttctctc 180

gaagatgctt gcgagagatt attaccttat catgtcgtag cagattacga agcagaagag 240

gatgatagaa tccttgattc agacccaaca ggccaggcct tgtcccgctc tcaacaatgg 300

gataacaaca ttgctgcgaa agttgctgaa ttcacggcaa cgtttgagaa gcaagcacta 360

gcttttaaca taataactcg aaagagagct atgggagaat tcagatctga ggaaangttg 420

atggtagaac aagctttgct acaagatnaa aggaaagcgt tgattgaact gaaagcngaa 480

atg 483

<210> 5787
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-C4

<400> 5787

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gatgggtttg agctggtttc aaggttctgt taccacaacg gagaaatctt aatcgacgtc 120

tcaaacgtct cgactttgta ctgctgctct gtttttctag gcatgtcgga gaagttctgt 180

ttctctaatc tcttccttca gacagagaag tttctagaag aagtgttcta tgggtcttgg 240

agcgacatcg tttcgtgtct caagaactgc gagcaagtgt tcttccaagc agattcgtat 300

ggtcttgtag ataaactcat tttcgcagct ttgaacaaaa tctctcagaa ttcagacgan 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngagat ggccaagaac 420

acgtcagaat cagacggtag gtatatttcg cggtctgttg cttgcggaag aagcaac 477

<210> 5788
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-C6

<400> 5788

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tgtttaacct cattgccttt ggtttagccg ttgctgctga acaaagaaga agcactgcaa 120

gggttgtgca ggacactgag gtgcaatata actactgtgt gtatgactcg gacagagcta 180

cagggtatgg agttggagcc tttttgttct cagtggctag tcaaatcctt atcatgctcg 240

ttagccgttg cttctgttgt ggaaagcctc tcaagcctgg cggttcacgc gctcttgccc 300

tcattctctt cattgttagc tggatgttct tcttgatagc ggagatatgt ctattagctg 360

gatcggtaga gaatgcatac cacacaaagt acaggacaat gttcatggac aatcctcctg 420

attgtcaaac tctacgtaaa agcgtctttg cagcangcgc c 461

<210> 5789
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D1

<400> 5789

cacncgtccg gtttggggga gaaaacaccc cttcggagag gagcaaagcc tctcctgggg 60

aagaagaaga agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnaaatta ggtttttttt gttgtttcca ttagttgtct 180

cattgtctgt gaagagaaag gaacagagga aaatgtcaga cctagacaag caaatagagc 240

agcttaaacg ctgcgaggct ttgaaggaat cagaagtgaa ngctctttgt cttaaagcta 300

tggagattct anttgaaaga gagcaatgtt caaagagtcn atgctcctgt cactatatgt 360

ggcgacattc atggacagtt ctatganatg aangagcttt tcanagtttg gggtgattgc 420

ccctaagacc agntattt 438

<210> 5790
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D10

<400> 5790

tcanaattca aaggtcgacc nacccgtccg ancacgcatc cgcccacgcg tccgctgtaa 60

cattaccaaa acgaaacctt ccttgtggat tcccacttct ttcttctgtt ttcttcttcc 120

tcttctttaa attggatgtt ttgggcaaga aacagagaga aacacgttaa tttgagagtt 180

tgtcattgaa tatttggttt gcaatggaaa gagattttct gggtttgagc gacaagcagt 240

atctaagtaa taacgttaag catgaggtta acgatgatgc tgtcgaagaa cgagggttaa 300

gtacgaaggc agctagagaa tgggggaagt caaaggtttt tgctacttca agtttcatgc 360

cttcttcaga tttccaagga aggctaaagg cgtttccggg gtgcatacca attggggatn 420

aagtttctgc cggccaatgt tttccgcaga tgccaatttg gngg 464

<210> 5791
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D2

<400> 5791

cccggtcana gaattaacgg gncgacccac gcgtccgaaa aaaaggaagg cgaatcgtag 60

acgggaaatt gttcttttgc cgctctcgga cgaatcgtct gtttccattt ttggtgatat 120

aatacaaata gtgtattagt agtttgattc tcttcaccac ggtgtcggta cgattgaagc 180

tcctccctcc aagagccttc gtacagagac gtttctgctg aaatttcaag caagtgtgtt 240

tgtcagatgg agcggtatga agtcttggag cagatcggga aagggtcctt tggctctgct 300

cttcttgtta gacacaaaca agaacgcaag aaatacgttt tgaaaaagat tcgtctcgcc 360

cgccaagtct gatagggctc gacgatcagc tcatcangag atggagctca tttctactgt 420

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<210> 5792
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D3

<400> 5792

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tggctcattg ggggtgatct tgaggttctt gagccagtga agtacaatga tgggcttgat 120

cgtttcaggc tttcgcctgc tgagttacgt aaagagttgg agaagcgtaa tgcggatgcg 180

gtgtttgctt tccagctgag gaatcctgtt cataatggtc atgctcttct tatgactgat 240

actcgtagga gacttcttga gatgggttac aaaaacccta ttcttttgct tcatccgtta 300

ggtgggttta caaaggctga tgatgttcct ttagattgga ggatgaagca acacgagaag 360

gttctagagg atggtgttct cgatccggag actacagtgg tttcgatatt ccccgtcanc 420

tatgcattac gcctggtcca aaccgaaatt gcaattggca cgccaaaggc ctagaatcca 480

atgcctgg 488

<210> 5793
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-A3

<400> 5793

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tctcttttct ctgtctttct ctccctgcag ttaccggatt cctccactcc ggctagatct 120

ccccgttcac cgccgatgac agaacgaatc agagcaagag gacccagatc atcctctgtt 180

aactctgttc ctctgattct tgacattgaa gacttcaagg gtgatttttc atttgatgca 240

ttatttggga acctggtaaa cgacctcttg ccgtctttcc tagacgaaga agcagattct 300

ggggatggcc atggcaacat tgctggagtt gatggtttga caaatgggca tttacgtgga 360

cagtctgctc ctttgtcctc tgctcctttt tttcctgaag tagatggtct tttgtctctg 420

ttcaaagatg cttgcaagga gttagttgat ctcggaagca agttgatgga agggtcaata 480

cactaaagga a 491

<210> 5794
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-F7

<400> 5794

nggccggtca aaaataacgg gtcgangcac gcgtccgaac gcncccatct acaatgaccg 60

agaacgcctc cagatatacc tctctgatgc gggtattcta gccgtctgtt ttggtcttta 120

ccgttacgct gctgcacaag ggatggcctc gatgatctgc ctctacggag taccgcttct 180

gatagtgaat gcgttcctcg tcttgatcac ttacttgcag cacactcatc cctcgttgcc 240

tcactacgat tcatcagagt gggactggct caggggagct ttggctaccg tanacagaga 300

ctacggaatc ttgaacaagg tgttccacaa cattacagac acacacgtgg ctcatcacct 360

gttctcgaca atgccgcatt ataacgcaat ggaagctaca aaggcgataa agccaaattc 420

tggggagact attaccagtt cgatggaaca ncgtnggtat gtanccnatg tatangggaa 480

gcaaaaggag 490

<210> 5795
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-F9

<400> 5795

gctgccaggn accggtcaaa gaattnccgg gtcgacccac gcgtccgcgt atagatgcga 60

atgggtctca ttagacccga ctcaagatcc gatttcaaca accgggttta aaatcttaac 120

cgattggggt tacggacgga tctacacaac agtcgtcgtt aactgtactt tctcatcaat 180

ctccgccgtg aatccacaaa actccggtgg aactctcatc ctccacgcca ccaccggaga 240

tccaactctc aatctcaccg attcaatctc agtcctaacc gaacctccca aatccgtcga 300

tttcgatctc tataactcca cgaagaagac gaagaagtac gattatctct attgcggatc 360

gtccttatac ggtaacctaa gtccgcaacg agttagagaa tggatcgctt accacgttag 420

attcttcggt gaacggtcac atttcgtgct acacgacgcc gganggattc atg 473

<210> 5796
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-G11

<400> 5796

anggcccggt caaagaatac ccgggncgac ccacgcgtcc gtattaagtg gaggagatat 60

ggttaacttg aatcttgact ggagagaggc tgttccgcat cctgatgacc gtgttgagta 120

tgagttgtgg actaatagta atgatgaatg tggggttaag tgtgatatgt tgatggagtt 180

tgtgaaagat tttaagggag cggcgcagat tcttgagaaa ggcgggttta cgcagtttag 240

acctcattat attacttggt attgtcctca tgctttcacg ttgaagtcga cagtgtaagt 300

ctcagtgtat caataaagga aggtactgtg ctcctgatcc agagcangac tttagctcng 360

gataccatgg aaaaagatgt tggtcntgga aaaacntgag acagcctttg tgtttacaan 420

ggtggcgaat gaaaccggcc aaaccttggg tcnngtggga tatgttcctg attccana 478

<210> 5797
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-G5

<400> 5797

acgcgtccgt gcgtctagga atcctttacg aattccaaag attacagagt accttgagca 60

aaaatgttac aaagaattgc gaaatggaaa tattggttca gtgaaagtcg tcttatgcat 120

ttataagaaa ctgctttcat catgtaagga gcagatgcct ctttttttcgt gtagtttgct 180

aagcattgtc agaactcttt tggagcaaac aaaagaggaa gaagttcaga tcttgggttg 240

caatactctt gtcgacttta taagtttaca gactgtgaat tcgcacatgt tcaacttaga 300

aggtctaatc cctaaacttt gtcaacttgc tcaagaaatg ggtgatgatg aaagatcact 360

ccaattacgg tcagcaggaa tgcaggcttt ggcattcatg gtatctttca ttggtgagca 420

ttcccaacta tcaanggact tggatatg 448

<210> 5798
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-G8

<400> 5798

gtgcccggtc aaaaattaac gggccgacnc acgcgtccna aattttagtc gaagaaacaa 60

aaaaaaatgg cgacggtaca attgtccacc caatttagct gccaaaccag agtttcaatc 120

tcaccgaact ctaaatctat ctccaagcct ccgtttctgg taccggtgac ctcaattatt 180

caccgcccga tgatctccac cggaggaatc gctgtttccc cccgtagagt tttcaaagtc 240

cgagccacag atacgggaga gataggatca gctctattgg cggcggagga agcaattgaa 300

gacgtggaag agacggagcg gctaaagaga tcgctcgtgg attcgttgta cggaacagat 360

cgaggtttaa gcgcatcgag cgaaaccaga gctgaaatcg gagatctaat cacacagctc 420

gagtctaaga accctactcc agctccgacg gaagctcctt tccttctcaa aggnaaaatg 480

gattctcgcc t 491

<210> 5799
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-G9

<400> 5799

cccggtcana gaattaacgg gncgacccac gcgtccggta cttttacttc cataacactg 60

gtctacaggc tcaaagtgtg ctttatatgc aggataatct ggatgctgag ccagaggttt 120

tgcttgatcc gaacactctt agtgatgatg gaacagtggc cttaaacacc ttttctgtca 180

gcgaggatgc taagtacttg gcctatggtc ttagttcaag tggtagcgac tgggtgacga 240

ttaagctgat gaaaatcgag gataagaaag tggagcctga tactttatca tgggttaagt 300

ttaccggcat tacatggacg cacgacagta aaggattttt ctatggtcgc tacccagctc 360

ccaaagaagg agaggatatt gatgctggca ctgagactaa gtctaanctt tatcatgagc 420

ctgtattaac atttcaantg ggancggatc aatcctcaag atnccttaag cctgg 475

<210> 5800
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-003-Q1-E1-H1

<400> 5800

acgcgtccgc ccacgcgtcc gaaaatttga tatttgaagc gaatcaacaa caacagtcgg 60

gttcgtgaaa aaaaaagatt tgatcggcta aacttggtcg ctttcaggtt tatcgtggaa 120

ggacttgtca atggcagacg tacctggata cctgcgcact tgtttggata tggggaagat 180

agctttctta gcaatccttg tatctacagg gattgtgttg cagattctgg cttgtgctct 240

gttcaataac tggtggccaa tgctaagtgt tataatgtat gtgctcctcc caatgccttt 300

gctcttcttt ggtggatcag acagtacatc tctattcaac gagtcagata atagttggat 360

caatgcagcc aagttcttga ctggtgcatc agcagttgga agcgtcgcga taccatcgat 420

tctaaaacac gccggactca tcggttgggg cgcattaa 458

<210> 5801
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-H12

<400> 5801

cttttacgct tccaggtgcc ggtcaagaat taacgggtcg acccacgcgt ccgagaaaaa 60

taagatacca ctcaccaaaa acttcctcaa aactaacaaa tggatactaa taaagcaaaa 120

aagcttaaag ttatgaacca actcgttgaa ggccatgact taacaactca gcttcagcaa 180

ctcctctctc aacccgggtc cggtctagag gatctagtgg ctaaaatctt agtgtgtttc 240

aataacacca tctccgttct tgataccttc gaacccatct cctcctcctc atccctcgcc 300

gccgttgagg gatctcaaaa tgcttcatgt gataacgacg gcaagtttga agattccggc 360

gatagtcgga aaagattggg acccgttaag ggtaaaagag gatgctacaa aagaaaaaag 420

agatnggaga cgtgtactat agaatcgact atacttgagg acgcattttc cttggaagga 480

aatat 485

<210> 5802
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-H2

<400> 5802

acncgtccng atttaacagg aatttgcgga attttgatta tatcagtgag tagaagaaat 60

gagcgcagtc tcgggtgtaa tctcgaggca agttttgcct gtttgtggta gcctttgtat 120

tctttgccct gcgcttcgtg caaggtctag acagcctgtg aagaggtaca agaagctcat 180

tgctgagatt tttcctcgta atcaggagga aggcataaat gatcgaaaga taggaaaatt 240

atgtgagtat gctgcaaaaa acgctgtgcg tatgccaaag atatcagatt ccctggaaca 300

tagatgttac aaggaattga ggaatgagaa tttccactcg gcaaagataa ccatgtgtat 360

ttacagaagg cttctggtca cttgtaagga gcaaatacct ctattttcta gtggtttcct 420

aaggacgtgc aagctccttt ggatnaaact cgacaagaa 459

<210> 5803
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-H6

<400> 5803

aaaattaaac gggncgaagn cncgcgtccg cgcaaaatct caacgaagct cgaaaatgga 60

ttcacgaacc aaggggaaga cggtgatgga agttggtggc gatggcgttg ccgtcataac 120

actcatcaat cctcccgtca attctctatc cttcgacgtg ctatacaatc tcaaaagtaa 180

ttacgaggag gccttgagca ggaatgatgt taaagctatt gttattactg gtgcaaaggg 240

gaggttctct ggtggctttg atatatctgg ttttggtgaa atgcagaagg ggaatgtcaa 300

agagccaaag gctggttaca tttcgattga catcataacc gacttgcttg aagctgctag 360

gaaaccgtct gtcgctgcca ttgatggact tgccttggga ggaggattag aacttgctat 420

ggcttgtcat gctangatat cagctccctg ctgcacagtt aagcttccng aactgcaact 480

tggt 484

<210> 5804
<211> 476

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-H9

<400> 5804

gctgcccagg naccggtcaa gaattnccgg gtcgacccac gcgtccgggc gtttggtttg 60

atcggaagag ttgttggaac caaatcatca cgattatcca cggcggcgcg attgattccg 120

gcgcgatgga catcaacagg atcagaagca caatcgaaag cttcaaccgg cggcggagga 180

gcgagtctga agacgtttca gatctatcga tggaatccag ataatcctgg aaagccagag 240

cttcaagatt acaaaatcga tctcaaggat tgtggtccaa tggttctaga tgctttgatt 300

aagattaaga acgagatgga tccatcgctc actttccgtc gctcttgccg tgaaggtatt 360

tgtggttcgt gtgctatgaa cattgatgga tgtaatggtc ttgcntgttt aacgaagatt 420

gaatctggat ctaaagagac gacgattacg ccgttgcccg catangtttg tgatta 476

<210> 5805
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-A1

<400> 5805

acgcgtccgc tctgctaaag tttcagatct tggtcttcgg tctattggtc gtagctgccc 60

ttctctcggg tctctttcac tgtggaacgt ttctaccatt actgacaatg gacttttgga 120

gattgctgag ggttgtgctc aacttgagaa gcttgagctg aaccgctgct ctacaatcac 180

tgacaagggt ttggtagcta ttgctaagag ctgccccaac ttgactgagc tgacattgga 240

ggcttgttca agaattggag atgaagggtt tgctagccat tgcaagatcc tgctccaagc 300

tgaagtcagt ctcgatcaag aactgtcctc ttgtcaggga tcaaggaatc gcctctctac 360

tgtctaacac cacctgttcc ttggcaaaac ttaangcttc agatnctgaa tgtcactgan 420

gttgtccnct tgctgttgtg gggtcaatta acg 453

<210> 5806
<211> 473

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-A2

<400> 5806

caggccggtc aaagaattaa cgggtcgacc cacgcgtccg gataattatg aacaaaggcg 60

gtggatccgg tggcggatcc ggtggaggaa gcggtccaac ggccgccgcc gccgccgcgg 120

ctttacagaa gcaaaaggcg ttgttacaga gagtggagac tgacatcaca tctgtcgtcg 180

ataacttcac gcagatcgtc aatgtttcaa gggtgagtga tccgccggtg aagaactcgc 240

aggagacata catgatggag atgcgagctt ctagaatggt tcaagcagct gattctcttt 300

tgaaactcgt atcagaactt aagcaaacag cgatattttc aggatttgca tcactaaacg 360

atcatgtaga acagagaata gaagagtttg atcaagaggc cgagaagaca aatcgattgt 420

tggctagaat tgctgatgat gcatctgcca atcttaaaga actcgantcc act 473

<210> 5807
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-F6

<400> 5807

gggncgaggc ccgcgtccgt tcaccaactc tttataccan gcctctgtaa cgttcgatca 60

tcttgtattt catttcaacc actcattgtt tttagtttgt tttacgaaga atcaactatg 120

gcgacgaaga gaagcgttgg aactttgaag gaagcggatc tgaagggaaa gagtgtgttc 180

gtgagggttg atctcaacgt tcctttggat gataactcta acatcaccga tgacancagg 240

attcgtgccg ctgttcccac catcaagtac ttgatgggta atggatctag ggttgttctc 300

tgcagtcact tgggccgccc aaaaggtgtt actcctaagt acagcntaaa gcctcttgtg 360

cccagattgt ctgaacntct tggtgttgan gttgtnatgg canatgactc caantggtga 420

ggaagtccaa gaagttggtt gccgggacta cccgaaagtg gn 462

<210> 5808
<211> 472

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-A10

<400> 5808

angtgccggt caaagaatta ncgggtcgac ccacgcgtcc gatttgaaca agtgtgattg 60

tttgtgacac agatttggat cggcgaatct tttgatgata aagattactt catttctggt 120

tattctcgaa gagtagaggt ctcaaaagaa atggagtcta aggaaattag atcctcctct 180

gtctttgaga gatcgatgcg ttttaatgga ctctttcaag ataagctgag agttgttgag 240

aaacagaatc aaccaccaaa acggtttaac caaaaggagt ctaattctgg tttcacagtg 300

attccaacga agcaactttg tcgagtttat ctccagaaac cgaatttgtt ggcttccaag 360

ggtataattg atgcactagc taagcctcct catangattt ttgggtagga gatatgatca 420

gcaaaacttc aagtcaaagc tgagacatcc ttcacacaac aagtntgatc cc 472

<210> 5809
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-A3

<400> 5809

acgcgtccgc ttcttactca acttttgctt caggcttcgt ctcttttgca atttttgagt 60

tagccaagtg ctcaagggag atacataata cctgaagatg tccaaggcaa gtgatgccgt 120

cagagaacca ttggtggaca agaatatggc tggatcaaaa ccagaccagc cgtggatggt 180

ttatctcagc acattcgttg cggtctgtgg ttcttttgcg ttcggttctt gtgcgggata 240

ctcttcacct gctcaggctg caattaggaa tgacctttca ttgactatag ctgagttttc 300

actctttggt tctttactaa cttttggcgc aatgatcggt gctataacaa gcgggcctat 360

agctgattta gttggaagaa agggggcgat gagagtttcc tctgcatttt gtgtagtcgg 420

gtggctagca atcatctttg ccaanggagt agttggcc 458

<210> 5810
<211> 474

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-A5

<400> 5810

gggtcgangc acgcgtccga aaaaaaaatg ggagaaaacg gagccaagcg atggaacttc 60

ggagctaacg aggtcgtcga acgatctaac tcacttacca ttcgtgatta ccttaacacc 120

ttaatcaatt gtctcgacgg tggtgatgta agacccgtca tcccactagg tcacggcgat 180

ccttctccgt tcccgagctt tcgtaccgat caagccgctg ttgaagccat ctgtgatgct 240

gtccgttcga ccaagtttaa caactactct tcttcttccg gtgttcctgt cgctaggaag 300

gctgttgcag agtacctctc tagtgatctc tcttaccaga tatcaccaaa tgatgttcat 360

atcacagctg gttgtgtgca agccattgag attttgatat ccgctctcgc aattcctgga 420

gctaacattc tgctacctaa gcctacttac ccgatgtacg aatccccgag cngc 474

<210> 5811
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-A7

<400> 5811

taacttccgg tgnccgtcaa aanattaacg ggtcgacgca cgcgtccgaa aagccataac 60

caagattcgt caagaaatca acacacaact atctccaaga accaatgatt ttgattcatt 120

caatgctcaa gagttaaaca agttggtgta tgtacatgga gcattgtgtg aagcccttag 180

gctatatcca ccggttccat ttcagcacaa gtctcctaca aaatccgacg ttcttccaag 240

tggacacaga gtcgatgcga gttcgaagat tgtgttctgt ctttactcat tagggagaat 300

gaaatcagtt tggggagaag atgcatcgga atttaaaccg gagagatgga tttcagagag 360

tggaaggttg attcacgtgc cttcttttaa gttcttatcg tttaatgccg gtccaaggac 420

ttgtttgggg aaagaagtgg ctatgacaca gatgaagaca gttggctgtg aaaanta 477

<210> 5812
<211> 489

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-B3

<400> 5812

tgtgaccgcc cggtcanagt cnnaannccc gggncgaccc acgcgtccgc ccacgcgtcc 60

ggcttgtaat cgttggctat tgacaggaac accaacccct aacacaccaa atagccagct 120

ttcacatatc caacctcttt taaagtttct tcacgaggaa gtctatggag aaaatccaaa 180

gttttgggaa gctggcatcc ttagaccatt tgaagcagaa atggaggagg gtcgtttgcg 240

tttacttcag ctgcttcaga gatgcatgat aagctctaga aagaaagatc tgcagatgat 300

tcctccgtgt atcaagaagg tgacatacct taatttcctt ccagggcatg caagaagcta 360

caatgaacta gtggagacag ttaggcgtaa tatcttatta gctgattgga atgatncgtc 420

tcatgtagaa agtctgctta actctaaaca gtgganattt cggagcatta ccattagtaa 480

tgtcagacn 489

<210> 5813
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-B5

<400> 5813

nccggtcaaa aattaacggg gncgacgcac gcgtccgagc gttcgttgtg aaaccataga 60

tccaggtgaa ttctggaaaa catcttgaag cgaaatcgag acatcgttgg aggatcaaaa 120

cgttaattcg attgatcgat gaatcctaga agggagcctc gtggtggtag aagttctctc 180

tttgatggca tcgaagaggg aggaattaga gctgcttctt cttactctca tgagatcaat 240

gaacatgaga atgagcgtgc cttggaggga ttgcaagata gagtcattct cttaaaacga 300

ctatctggcg atataaatga agaggtcgat actcataacc gcatgcttga cagaatgggc 360

aatgatatgg attcatcaag gggatttctc tcaggaacca tggancgctt taaaacggtg 420

tttgagacaa agtcaagccg aagaatgctg acgctcgtgg catcgtttgt tggtttattt 480

ccaagtcata tact 494

<210> 5814
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-D1

<400> 5814

taactntccg cgcgacggta aaaggtcatg naattcccgg gccgacccac gcgtccngta 60

taccacaaaa cctcaaaatt gtaatttatt agattatcgt gatggcctta gctaaagagt 120

taatgggtta tcctctcatc acagaaaggt catcacttgt ctcgtcggcg tcgcatttca 180

agaagaggac acagtcaaca cagttctcga tcaacccttt tgaccggaga ccaagaaaaa 240

ccaaatccgg cgtcgttgca gccatcagcg aggatttggt caaaacgctg cgtttttcca 300

caacgaccgg agacagaaag agcgaanagg aggagaaagc ggcggtgaag ttcanggtga 360

gagctgtggt nacngtgagg aacacngaac aaggaggatt tgaanggaga ctcttgttaa 420

gcanttggat gcctttgctg atnnnattgg ncgaaacatt gtccnggagc ttatcatc 478

<210> 5815
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-D6

<400> 5815

cggggtcgag gcacgcgtcc gccactttaa acccttgtct acgctggtcc gagtccagag 60

tcctctactt tgacagtctc cctccatgtc gtcgttgtgt gcatctaatt gctatccttc 120

atcttcttct atcaatctct tctccaacaa caacaaccca actaaaccct ttcttctctc 180

cctcagattc gcctcctcca attctcttcc atttgttgct cctctcaaat tctctactac 240

caatcacgtc cttagtaact ctcgtttctc ttcgaaccga atccaaagac gccttttttt 300

gctccgatgc gtttcagaag aatctcagcc gtctctttct atcggtaacg gcggctctga 360

agagagagtg aatgttcttg taattggtng aggagggaga gaacacgccc tttgccacgc 420

cttgaangcg gtctccgtcg tggtaagtcc ggng 454

<210> 5816
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-E11

<400> 5816

cttttttgttt cgtctcagtc gtcgtcatca tctctgacag aacaagtttc gagattggat 60

attgacgaca acgatatggg acttggaggt agtgaaacaa tggaatgcaa gtgtggtatg 120

cctctgtgta tctgtgtagc tcctcccaaa tcaactgata aaccaaaccc acctgctacc 180

attgctcctg tggttcttcc tcagttgaag tcagaggctt cagcaaaaag taaaggttcc 240

acttccagca gcaatgctag atcagctcta aatgctggac tagacacccc ccaaagagac 300

tatgaagcca gtggggaggg attaagagaa gcgattaaga atggtgacag tgctggtgcg 360

aaaaaacttc taaaaagang gcgtanaatg caagattacc gaagacagg 409

<210> 5817
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-E8

<400> 5817

attaacgggn cgacccacgc gtccgcggca aacacgaacg ggtttacgta gaccgtcaaa 60

cgctcctccg tccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnntctc atcgatcact ctctccaaga tctattcacg catcgtcgga 180

agaattttcg cttccgacga cgtttctctc gtctgatttt gtctccgaac atcctaccta 240

atcgtattcg gtgctggatt tgaatccggt gaactgaatc tgacaatttc gttcccggag 300

gtgtttaaaa atggccggga tcttgaataa attgcggaat ctagatgcat atcctaagat 360

caatgaagat ttttacagcc gtacattatc cggcggagtt atcactctcc tctcctccgt 420

tgttatgttc cntctcttcg tctccgagct ccgtctttan ctc 463

<210> 5818
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-E9

<400> 5818

gaattaacgg gcaaaagaag ccaaaanttc tttttgcaga tgacctacaa aacgaaactt 60

tagaagctgt cccaaatata ggtgagattc actgatcgat ctccttttt ttttgtcact 120

tatatccacc aatttgcaaa ctcttatggt ttattcagaa gaagccaaca atgaaagaaa 180

ggcaccaaca gagataaaga agaatggaga aagtagtgag aagaagagcc cagaactggt 240

ttgtatggag gaggaacttc aaaagtggtc agctgaatca tttattgatt taactgcttc 300

tggtgagcct ctcagatctc aaataatatt ggattgattg caatattttt gaatttagat 360

acatacatat atgcaaatgt tttaggttac ataagattcc agttctgcct tgtcataggt 420

gatcnttgag ttanggtatc agttatggga aacatgtngt 460

<210> 5819
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-F11

<400> 5819

ggncccggta cagaattacc gggncgaccc acgcgtcanc ccacgcgtcc gcggacgcgt 60

gggttcaaaa acaaagtcga ttacgctaga atccatggtc acgacatctt ctacagcaat 120

tctcttcttc atccgaagat gaattcgtat tgggcgaaac ttccggtggt taaagctgcg 180

atgcttgctc acccatttat ggattgaagc tttagagaga aaatgggtga tgaggcagag 240

atcaaggaac atttaaagcc acaagcttca tctgaaacaa tagacaagaa acataatgtg 300

aaagggaaga ggttatggca cgaaagtcaa gtatcaattg gtggagtttc attcattgcc 360

tgcttattta agagacaatg agtacatcat tggtcattac cgattcggaa tggcccgatn 420

naacagantc ttcnnancat ctttaccatt cntaatggag acntttgagc gttttgga 478

<210> 5820
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-003-Q1-E1-F3

<400> 5820

acgcgtccga ttttttctaa attttaatct tttgtgttnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnggtac 120

cgtcgatttc ttcctacgag ttcgaaatta gggtttttt cttcttctta gggctgattt 180

tgaggtcgag tagtgggttc ttaacgaact tattcgttga atttctttag ggttttcttt 240

gtggtctagt ttcatagaga gattagaagt ttggttatgc tattgaacga tgtttcatgg 300

acaagggttt tcgagaaacc gttgtaatgt tgtggcagtt gtttctggag cagagctttg 360

cgatactaat aaccagatag atggaacttc tcatcaaccc aaataccctt ttccagatct 420

ctcttcttca gggcgtctca agtttcaagt actgaa 456

<210> 5821
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-003-Q1-E1-A1

<400> 5821

acgcgtccgt agtcatcttc ttcttcctct gtctcaattc ttcctcctct cggatccatt 60

tttagaggag tctagtttct tacttgaaca tagacatgga atcaactaat aactgacaac 120

caagaggctg ttcttttcaa atgattggta gtagttatat tatgcttgga cagtgccatg 180

atgggcatct gtgagatgaa aagctgctgc tcatggcttc ttttgatctc gttgctttgc 240

tcactatcta atgaaagtca agcgattagt cctgacggcg aggcgcttct gagcttcaga 300

aatgcagtta ctagatcaga tagtttcatc catcagtgga gaccggaaga tccagatcca 360

tgtaactgga acggagtgac atgtgatgca aaaacgaaaa gagttataac cttgaatctt 420

acttatcaca aaataatggg aactttacct cctgatatt 459

<210> 5822

<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H11

<400> 5822

acgcgtccgc ccacgcgtcc gcccacgcgt ccggtgtatt caatgagttt atcgagatta 60

taaattaaat tgttccccgg gttttttgat aataaaaagt tacacgcttt tggttaaaaa 120

tccattgcat tataaaattc aattatgata caatgccacg tcactggacc acaatgttgc 180

cgtacgttat attgttgccg gagtaaggta cacgtcgtca cggtgtcagg ccgtttcttt 240

aaagagttgt cacgcattta acggcgcgtg cgtctcacgt gacactctcc ttgtttgttg 300

gtgatttgtt cattgattac agaaccaatc gtcggtacct accaataacc gtacgatggt 360

gtatggcaat cctcnttggg attactancg gntcaacccg gtggctccac tggttacgcc 420

tcaatcaanc tccgaacgtt ggtcgaaacc 450

<210> 5823
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H2

<400> 5823

ccacgcgtcc gcccaatctg aagatcaatc ataaccttaa accatctctc ataattttag 60

tatttctatt ctcaccacca aaactcgttg atacatcaca ccccaactgt tgttactcat 120

gtcctacaga tcgatttacc gcactcttcg accggtacta tcatcttcgg tacaatcctc 180

cggtttagga attggaggat tcaggggaca tctcattagc cacttgccca atgttcggct 240

attgagctct gacacgtcat ctccggtaag tgggaataac cagccagaaa atcctatccg 300

aacggccgat ggtaaagtta tatccactta ttggggtata cctcctacta agatnactaa 360

accggacggt tcagcttgga agtggaattg ttttcagcca tgggattcat acaaaccgga 420

tgtgtccatt gatgtaacta aacatcataa a 451

<210> 5824

<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H4

<400> 5824

tggttcgccc tgccgtaccg ggaaattanc gggtcgaccc acgcgtccga aanaaaattt 60

agtagcaaac ttcncgattc cttgattcgt gggaaaaaga aagtctagat ttttgtggat 120

tttgattttg tgattccgtg attgtatgaa cttgagccgt tttgcttcga gattaagaat 180

ggcggaagaa atctcaaaga cgaaggtggg atcttcttct actgcttcgg tggctgattc 240

atctgctgct gcgtcggctg caacgaatgc ggccaaatca agatggaaaa ttttgtggcc 300

taattcgctc cggtggattc ctacgtccac cgattacatc atcgccgccg agaaacgtct 360

tctctccatc ctcaagacgc cttatgtaca agagcaagtc agtattggtt cangaccacc 420

aaggttctaa aatcangtgg tttangtcta cgagcaatga gtcacgttac atcaacactg 480

ttacatttga 490

<210> 5825
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H5

<400> 5825

acgcgtccga gattatctgt atttcaagtt tcatgagcgt ttgccaccac aacattgtct 60

tttcggggtt ttagtcatac ttaatggctt ccaattcgga gaaaaatcct cttctttcag 120

atgagaaacc caaatcgacg gaggagaata agagttctaa gccggaatca gcttctggga 180

gttcaacttc atcagctatg cctggcttga atttcaatgc ttttgatttc tctaatatgg 240

ctaagtattc tcaacgattc tagcatcaga gaaatggctg agcaaatagc taaagattct 300

gcgtttaacc aattgggctg aacaagcttc aagagatcaa atcctaacgc tggcaagaan 360

gtgggttccc taacttttga ttctcaacan gtatgtcaat acaatgcaac aaggttatgc 420

ataacccnga gtttaagaca tggccgagaa 450

<210> 5826
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H7

<400> 5826

acgcgtccgg tcncttagcc tggtctcaag tgcttactat gcagcagttt ttcccagttg 60

cagatgtttc ntacaatctt cancagattg cttggaaaag gnaacagcaa atgccacctc 120

aaaggnatta caattctgat caagttggga aatttggagc aaggagatna ngggctgggg 180

ttaacaaagc atcatggtgg tggtgggggg taaaaaggag ctgattccat ggcgagaaat 240

gggcataatt tcaatggcgt taacagtgat cgtgttgagc atcgggagga agctaaagtt 300

ggcaagtgat gttaaggcat tgtcctgttg cagaagagaa agagagatgg taacgaaaaa 360

ccgagggagt gataataaaa gttgagaaaa aatttggaag aatctgaaac tcaagaggag 420

atantgaaag aancataagt gttaactcng ggttccaaaa g 461

<210> 5827
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H9

<400> 5827

gttgccttgc ntacggctcc ggaatcccag gtcgacccac gcgtccgcga cacactccaa 60

aactcataaa tctatctgat gcgaatttga ctaactcttt cgtaattcag gatcttacta 120

caaatcttta actcaccaat cttcttctta ttcaaagatt agagagaaaa tggacaacga 180

gctgtttatg aacacagagt ttccaccacc gccggagatg gcgacgcatt tcgaacacca 240

acagtcttct tcatcggcca tgatgcttaa ttgggcttta atggatccaa atccgcatca 300

agattcttcc tttttatggg aaaagtcaac ggaacaacaa caacaacaaa gcatctttga 360

ctctgcttta agctcattag tctcatcacc gacgccgtca aattccaact tctccggcgg 420

tgggcngtga cgggtttctc atcagagaac tcatngggaa accttggnaa catcggtaaa 480

aa 482

<210> 5828
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-A1

<400> 5828

acgcgtccgc ccacgcgtcc gcggacgcgt gggaatcaag atgggagtga tgagtttgag 60

caagacgatg gtggtggtgg tattacaggt gatgatattg ttgggacaag agattggtaa 120

agtgtcgtcg actctataca aagttgggga cttggacgct tggggcatcc caattgatgc 180

taaagtctat tccaaatggc ccaaatctca ctctttcaag atcggtgact ccctcttgtt 240

cttgtaccca ccaagcgaag actcactgat tcaagtgacg ccctccaatt tcaagagctg 300

caacaccaaa gacccaatct tgtacatgaa cgacggcaac tctctcttca anctcaccca 360

aaacggaacc ctatactcac aagtgcaaaa cccgggcact gtnccaaagt tccaaaagct 420

cctantctcc gtcggaacct aatcccgccc aaagcaaaag g 461

<210> 5829
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-002-Q1-E1-A10

<400> 5829

acgcgtccga tctatattag tgatggcttg tttttatgta tgtgaagtgc tccgctcccc 60

tatataggta tgttgaggat gcaaaggtgg caagttctac tttgatctat ttttctcgaa 120

attttcatct acagtcctct tttcattgga gatgtctcta tttctggttc tatgctctgc 180

attttcctat ggtttaaatg ctaatcactt cggctcgaga tctactcttt ctacatgaat 240

tcattatctt catataggaa tttggatgat gctaggacga ttctgtttcg acctgttcgc 300

ctaagattta ttggcaacga gggatggatg taatcagctt ttcttccctt atctgttttc 360

cctttctggt tatgtaatct gcatcttctc ctatggtaat ctctctgctt cagatgaaat 420

cattaatctt cacat 435

<210> 5830
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-A11

<400> 5830

acgcgtccgg gctggtaaag gtgggaaagg gcttctagct gcgaagacga cggcagcagc 60

tgcaaacaaa gacagtgtta agaagaaatc catctctcgc tcttctcgtg ctggtattca 120

gtttccagtg ggtcgtattc atcgtcaact caagcaaaga gtttcagcac atggaagagt 180

tggtgccact gctgctgttt acactgcatc aattctagaa tacttgactg ctgaagtact 240

cgagttagct ggaaatgcga gcaaggatct caaagtgaag agaattacac caagacattt 300

gcagcttgca atcagaggag atgaggaact tgacactctc atcaaaggaa ccattgcagg 360

aggaggtgtg attcctcaca tccacaagtc ccttgtcaac aaagtcacca anggattgan 420

tttcgctcct ccgaatccta agtccc 446

<210> 5831
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-A12

<400> 5831

acgcgtccgc ctctctctcc aatggcttcc ttatccttcg tttcctcttc tcaccttacg 60

ctacgcactc cttctattgc cctacgcagc actggctctt ctcctcgaac ctccgtttca 120

ttctccgtca aggctcaatc cgtcgcgctt tcacaggacg atttgaagaa gctcgcggcg 180

gagaaagctg tggaggcaat taaacctggg atggttctag ggctcggaac cggatccacc 240

gcagctttcg ctgttgatca gatcgggaaa ctactctctt ccggtgaact ctacgatatt 300

gtcggtatcc caacgtcgaa acgaacggag gaacaagcac ggtcgttagg gattcctctt 360

gttgggttaa atacacatcg anaatcgatn tcgcctaatt gacgggagca aaacgaagga 420

ctcccggtgg gaagttnggt taaac 445

<210> 5832
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-A8

<400> 5832

acgcgtccga agaagaccaa aaggactgct cctaagtccg atgatgtcta cctaaagctt 60

ctcgtcaagc tttaccggtt tttggtgagg agatctaaca gcaacttcaa tgctgtgatt 120

ctgaaaaggc ttttcatgag caaagtcaac aaagctcctc tttcactctc taggcttgta 180

gagttcatga ctggcaagga tgacaagatt gctgtgttgg ttggaactat cactgatgat 240

ttgagagttc aagangattc ctgccatgaa ngntactggc cttgaaggtt actgagaagg 300

gctaaggcta agaattnana aanctgggtg gagaatgcta aactttnacc aacttgcccc 360

caaanctncc atngggaaaa gannnaattt ttcttaangg ggccaaanaa nccccnctgn 420

ancaattgan ncattttcgg acccnggccc cgggg 455

<210> 5833
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B10

<400> 5833

acgcgtccgc gcnattttct gtttgcatac acttgtatat atttatatta acagtccaaa 60

attcttcgaa attgtcccga gctttgagca tataaaaaat gtcttcgata atccatggag 120

ctggagctgc tacgacgacg ttatcgacgt ttaattccgt cgattccaag aaactcttcg 180

ttgctccttc tcgcacaaat ctttcagtga ggagccagag atatatagtg gctggatctg 240

atgcgagtaa gaagagcttt ggttctggac ttagagttcg tcactctcag aaattgattc 300

caaatgctgt tgcgacgaag gaggcggata cgtctgcgag cactgggaca tgaactattg 360

cttttcgagg ctcctcagga aggtctggaa agaagagatg gncaagaaga ttcacatgta 420

agtgttaagg gtgaaaaa 438

<210> 5834
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B11

<400> 5834

acgcgtccgc ccacgcgtcc gatcgtgatc ttaaagctag caacattctt ttggaccaag 60

aaatgaatcc gaaaatcgca gattttggat tagctaaact ctttgactca ggccaaacca 120

tgacacatcg attcacaagc aggattgcag gaacttacgg atatatggct ccggaatacg 180

caatgcatgg acaattctct gtgaaaacag atgttttcag cttcggtgta ttagtcattg 240

agatcattac aggtaaaaga aacaacaatg gtggatcgaa tggtgacgaa gatgcagaag 300

atcttcttag ttgggtgtgg agaagctgga gaagaagaca ctatactaag cgtgatcgat 360

tcgagtttaa ccgcaagatn aagaaatgag atcttgagat gcatacacat tgggccttta 420

ngtgtgcaag aaaagtgcaa cgacc 445

<210> 5835
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B12

<400> 5835

acgcgtccgc ggctctcaaa atgagagctt cgtttagcag tgggagtagt ggaagtagtg 60

caagtagaga gattctggtg cagcatttgc ttgttaagaa taatgatgtt gagctctttg 120

ccgaactcca aaagaaattc ttggatggag aggagatgag tgatcttgcg gctgagtatt 180

cgatttgtcc ttccaaaaag gacggtggta tacttggatg ggtaaaactg ggtcaaatgg 240

taccagagtt tgaggaagct gcgtttaaag cagagctgaa tcaggtggtg aggtgtagaa 300

cccaatttgg cttgcactta ttgcaagttc tatctgagag agaaccggtg aaagatatcc 360

aggtagagga gctgcattcc aaaatgcaag attcaatttt catgggatga ggccagttaa 420

ttgatgtcaa ganaac 436

<210> 5836
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H10

<400> 5836

actggttgng gtccctaggg ccccgcaatc gcaagggatc tctcncagtg cacagtggtt 60

gtcactcttc tcctttggtc gaaactcttt cttggaaaga gcattttgtt atcaagactc 120

tgaagagctc ttttgggagg atagtaaggt tggatgatga gagggagatc tgatggaggc 180

ctaaagaagc gtcttattgc ttcggtctgt gtcgtggctc tattcgtctg tttcttgttt 240

atgtactatg gttcctctag ccaaggtgca tcagcattgg aatatggaag atctttgaga 300

aaactcggat cgtcttantt gagtggagat gatgataatg gtgataccaa acaggatgat 360

tctgtggcta atgcagaaga cagtcctgtt gtcgccaaaa gttttccctg tttgtgatga 420

ccggcactcg gaaatcatcc ccttgcntan ataggaattt caaccaacaa aatgaaggtt 480

gaaancttga ttc 493

<210> 5837
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-E9

<400> 5837

acggttgcct tcctagcctc cggaatccan gtcgacccac gcgtccgaaa ngtggatgaa 60

ccgtcgaaat atggagtggt tgttatggaa gaaagcactg gaagagtgga gaagtttgtg 120

gaaaagccaa aactgtatgt aggtaacaag atcaacgctg ggatttatct tctgaaccca 180

tctgttcttg ataagattga gctaagaccg acttcaatcg aaaaagagac tttccctaag 240

attgcagcag cgcaagggct ctatgctatg gtgctaccag ggttttggat ggacattggg 300

caaccccgtg actacataac gggtttgaga ctctacttag actcccttag gaagaaatct 360

cctgccaaat taaccagtgg gccacacata gttggggaat gttcttgttg acgaaaccgc 420

tacaatttgg ggaangattg tttgatttgg accaagacgt tgccattggt nccaagctgc 480

attgttta 488

<210> 5838
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-F1

<400> 5838

nggttgttgg cctacggtcc ggaatcacgg gctcgtgctc gtgcagctga atatccctgc 60

tctgattcgt caaatccatg gaagatgagg atgatccaac cacaaagaac agcaacaaca 120

cagatgattt tgctatagag cctcgtgaag ggattatatt tgaatccgag gatgcagcta 180

agatgttcta tgatgattac tctagacgat tagggtttgt aatgcgtgta atgtcttgcc 240

gaagatccga gaaagacgga agaattcttg cccggagatt cggttgtaac aaagaaggtc 300

attgtgttag tattcgtggt aagtttggat cagttaggaa acctagaccg agtacaagag 360

aaggttgcaa agctatgatt catgttaagt atgaccggtc tggcaaatgg gtcattacca 420

aattcgtcaa agaacataac catccactcg ttgtttcacc tcgcgaggct cgccataccc 480

tggacgag 488

<210> 5839
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-F10

<400> 5839

actggttccc ttgcctagcc tccggaatcc aaggtcgacc cacgcgtccg gtttctaccg 60

tctttcttca gttcttcaca actctcgatt tcgtcccctt ccttgctcat tgcgtcaaga 120

caatgtcgct tccgattctg atttcattcc caaagactcc gcttttgagg ttacggattc 180

agctgagagt aatagattgg tttccgatac ggaggtttcg gaattagaga cgaatgatag 240

atttgtgggt ggtgaggaga cgaaaagtgg aggagaagaa gcggaggtta gtaatggagt 300

aacggaaggt aaggaggaag atcagaagaa gagcaagttt aggattgtgg tgttgatgat 360

ggcactatgg gcggctataa agagagtata gagaaggtaa tggagtgggg aatgggntaa 420

actggtgggc tttctctcgc caaggaagaa acggntccaa gaaacttaat gcctggaagg 480

ctggatgcca aa 492

<210> 5840
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-F6

<400> 5840

acgcgtccgc ttgtagtgaa ttcactgcaa agtaagggaa agcttggctt ggaaatggga 60

gttgaacaag ccatcgattc gggctaatgt gtatagtttg attcgtctgg ggagcttttg 120

agagatagca atttagtttt ccgcttacga atgatctttt tctgatgcgt cattttgatt 180

aagtgtgtac ttctgcaatg gaggcttctc tagctgttat acagaggcct caagctggag 240

cttcgaatac ggtttataag agtggccctc tcttcatatc atcaaaagga ctaagttgga 300

catcctggaa naagcgttgg gttaacccta acccgaactt tctttggcct ttttcaaaaa 360

tgatccaagt gcattaacaa caaaaaggga aggtnaatta aatttgaccc ttgganggaa 420

ttgacttgaa cagttcgggg aatgcctg 448

<210> 5841
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-F8

<400> 5841

acgcgtccgc ccacgcgtcc ggtgataact caattgaggt ttcctgtttc agatagcgag 60

agatttggtg tcccggagca agttgttgtt atggattcga gcgtcttgag cggtggagga 120

gctttagggg agcttaagtt tccggtgatt gctaagccgt tggatgctga tgggagtgct 180

aaatctcata agatgttttt gatttatgat caagaaggga tgaagatttt gaaagctcct 240

attgtgttgc aggagtttgt gaatcatggt ggtgtgatct ttaaggtcta tgtggttgga 300

gatcatgtca aatgtgtaaa gaagaagatc tttacctgat atctctgaag agaagattgg 360

gacgtcgaaa gggtctcttc cgttttcgca natatcgaat ctgactgctc aagangacaa 420

gaacattgan tatggtgaag gatagg 446

<210> 5842
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-F9

<400> 5842

acgcgtccgc ccacgcgtcc gagttttcat tgtccttgtg aaaaatgcaa ttctcttcat 60

cttctattac ttctttcact tggacagttt taatcacagt gggatgtctt atgctttgtg 120

cgtctttctc cgatgctcaa cttaccccta ctttttacga cacttcatgt cctaccgtca 180

ccaacattgt aagagatacc attgtcaacg agctaagatc ggaccctcgt atcgccggga 240

gcatccttcg tcttcacttc catgactgct ttgttaatgg ttgtgatgct tcgatcttgt 300

taagacaaca cgacatcatt tcgaacagag aaagatgcac ttggaaatgc aaattcagcc 360

cgagggattt ccaagtgatt gatagaatga aagctgcngt gggagaaggc atgcccaaga 420

aaccgtttca tgcgcaagat atgctcaa 448

<210> 5843
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-G2

<400> 5843

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ttttagtgga ggagttgaag tacagacctt ttctatgtat agcttccctt ggatgacaag 180

acctcatatc tatggactag cttacaacta aaactatcat ctttattcaa ttacactaaa 240

atgattggct ttgaatgttt tgattcgctg attgctgtta ttactaaata atatggagaa 300

aaaatgctaa ttatgtgtaa ttaaaaagat ttgattttgt ggacagaatc tgaagtagag 360

aaaaacatat cttcatgtta ctcttatgct ctgttttggg tatatgaagt aatttgagct 420

ttgataagtt aaaaaaa 437

<210> 5844
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-G4

<400> 5844

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ctctggtata taggaatacc tcatggtgcg gacaatacaa tcccagagtg ggtgtagttc 120

ttgagttcct ctacaacatc atcgagttta gtgcagtttt ttagttagaa atttatagtc 180

aagcaataat ggatcacacg gtgtgcaagc aagttcagcc agtcgttagg aaagcgaaga 240

agaagcatgg taaagatgaa tttgatcgta tcaaacaagc tgagaagaaa aagagacgtt 300

tggagaaagc tcttgctact tctgcagcca tccggggctg agcttgaaaa gaagaagcag 360

aagagattgg gaagaacaac aaaggttaga tgaagaagga gctgcaattg cagaagctgt 420

tgctctgcac gtcctactgg ggcgaaagat tcctgatgat tcatctcgag tcaagtttgg 480

tgaagaaaag ggtt 494

<210> 5845
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-G5

<400> 5845

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caacggaaac tctgacaccg tcatgacgga atccgccgct acgatcactc cgtcgccggt 180

cgtcgtctcg tcttcgagat cgaatcaatt tacggaatct ctcaagcttg agcaccagct 240

cctccgcgtt cctttcgagc attacaagaa gacgatccgt accaatcacc gttcgttcga 300

gaaagaggtc tcaaccattg ttaacggcgt cggagaattg gctgattccg attggtctaa 360

agacgatacc gtttcgcgtc ttacttgcct tgttactcga ttacaaggcc tcaaacgaaa 420

gttggaagaa gggagcaatg tggaga 446

<210> 5846
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-G7

<400> 5846

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gacgtgagct actcgaggag acaagtaatt tagcggctga gcctgctcct tcagctccta 120

gtccttctcc cgggattata actgaagctt cacctcgaag cagcgggtct ttccctgcag 180

taaccaatgc aaagaagaga agaccacctt tagtccctcc tgtaccttct cctgataagg 240

gcagtactag tcctgatatc tctaagaatc agccacaaga taataaacag tcaaaaggat 300

caaaacatgt atggctgtat gtggttatcg cggttgcttc tttcgtcggt ttactgatta 360

tagtagcggt tatcttcttc tgccggaaaa gagctgtcaa gagcataagt ccttggaaaa 420

ctggtcctag tggacaattg caagaaa 447

<210> 5847
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-G8

<400> 5847

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aacgataaga caaaatccat aaactagtaa tatcatccaa tcctctcact tcttccttat 120

tccctcactt tcactctcac tatctgttga cttcacatgg cttccaccgc cgcaactgca 180

gctctttcga tcatcaaatc caccggtggc gccgccgtta cacgctcctc ccgcgcctcc 240

tttggacaca ttccctccac atctgtctcc gcacgtcgcc ttggcttctc cgccgtcgtt 300

gactctcgtt tctcggtcca cgtggcgtcc aaggtccact ccgtgcgcgg aaagggcgcc 360

aggggagtga ttacgatggc gaagaagagt gttggagatc tgaattctgt agatttgaag 420

gggaagaagg tgtttgttan agctga 446

<210> 5848
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-G9

<400> 5848

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tatagaagaa gaaacggcac cagcttctgt cgttttagtt agctcgagat ctgtgtttct 120

ttttttcttg gcttctgagc ttttggcggt ggtgggtttt tctggagaaa cccaaacgac 180

tatcaaagtt ttgtttttta caattttaag tgggagttat gagtggggtg gattaagtaa 240

gttacaagta tgaaggagtt gaagattcga agaagcggtt ttgaagtcgg ngagaccaag 300

attgcgaagc ttatttggct gatgatttat ttcagggaag aagaaataaa tcngtttttt 360

ttagggtttt taagatttgg ttggtgaatg gggtgggaan gtggaaggga aacaagttta 420

aaaanagtta tggcttttaa gtgtctcctt ccttcaatna anttncattt ggggcaatct 480

tgaaatcctt ggg 493

<210> 5849
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-H1

<400> 5849

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cgcattttct tcttcgcata gcagaagttt tatttctcct tggatccact tccacgtctt 120

tttttctccg gatcttcagc tctgaggatt tttaaagctt ttaagcgctt attggagttc 180

gtatgagcaa acgtgagtct tgtctgcctg aaaaatcttc tcttggcttg gttctgaaat 240

gtgactgaaa gtattggttt taggcagatt ttgattcttc aatttttttt cgttaagagg 300

gtttcgtgta tcaagacaac atctgaacag agaaaagtat ttatcttttc tgttggttac 360

tacaagaatt ggtgggattt tattgcaaaa ngtcaataaa tggcaagacc aaagctctgt 420

tgatgggatt ttagagtttc cttaagaata a 451

<210> 5850
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-E5

<400> 5850

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccactcacga acactcctca 120

gtaaccagag agagaagaag aagaacaaca agccatgtct taactcttaa ctaatctctt 180

cttctccctc catttcacca accaaaaacc ctaaaatcct taaaatcaca agtttcttca 240

gcaatgatgc ttcaaagaag ctgcattgta cttttcttct ctctttttct gttggttnca 300

caaatggttt tctcgatgct caacaagaac tcttcttctc ataccacatc ctgacccgga 360

actagtcgct tatcaagttc agtggaaagt aaatgcatct ataacaaggn gtcaagctct 420

agacacgacg ggaccaaggc cggttcgacc ccg 453

<210> 5851
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-B5

<400> 5851

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ctggtgaagt gggattgtaa aattcggcgt tgaaagatat ataaagagtg gaaggttctg 120

gagtcgtttc aattcatgga tgatggtact cctaagaagc taaacatatt acctgatcac 180

tttagtgctc ctagtcccac agcagaatct tctcagcacg atactccatc atcttcgcag 240

ccaaaggacg atagttctct gaggccttat agccagtcac ggactcgcag aaacctgaaa 300

agagcagcaa ctatgttgaa tttgttcact cttcgccgtc tgccttgggt ttcagatggt 360

caagagaagg tcgagctatc agcagcggag ttagaatcac ttagatcaga actttctgat 420

atggaaagaa agagaagctt acctcaaagc ccan 454

<210> 5852
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-B6

<400> 5852

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agagacattt ccaaatctaa tctcaatcca atccaattca gggttgttgc taccttcacg 120

aatgacgacg acttctgttt gcccgttctc gaaagctgct cgtcctgacg atgggtcgac 180

tcgaaaacaa ggcgaaatta ccgcttctgg ttgtcctttt tctaaagctg ctcgtcccga 240

cgatgcctct gctcgaaagc aaggggaaac gacggcttct ggttgccctt tttctaaatc 300

tgctccgtcc tgacgaaaat gggagtaaag gatgtcctga acaagaagga aacttgaata 360

aggactctac tgattctgca acggtacctg ccaagtgccc ttttggctat gactctcaaa 420

cattcaagct tgggcctttt agctgta 447

<210> 5853
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-C10

<400> 5853

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cgcccacgcg tccgcggacg cgtgggacgt ctcttctttt cttgtcgatt ttccccagat 120

aatcagttga aaacacaccc aaattcatct tcgaatcaat aatggatata agtaatgagg 180

ctagtgtcga tccctttttcg attggaccat catctatcat gggtcgaacc attgctttca 240

gagtcttgtt ctgtagatca atgtcacagc ttaggcgtga tctctttcgg ttcttgttgc 300

attggtttct tagatttaag ctgaccgttt caccgtttgt gtcgtggttt catcctcgga 360

accctcaagg gattttaagc ggtggttaca atcattgcct ttgtgttgaa acgatacacg 420

aatggtgaaa ataaaggcgg aaatggctta acgganggaa gttttggagg aataagatgc 480

cgg 483

<210> 5854
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-C3

<400> 5854

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ccttctctca gtctttctct cccttcatcc tcttgttctt tccgacaccg ccgatgaaga 120

agatgttctt cttacaggca tcaacagtta cagagcatca ctaaacctaa caaccttaat 180

acacaaccac aacgcagaat gtctagcaga cgaaatcgca gaccaattca agaaccaacc 240

ttgcacaaac accactggct cagcctctgt ccctggaacc acacctggga ttcccaaact 300

tgcctaacct cctctcaaaa tgccgcctca accctaccgt aactagagac ggtgcgattt 360

tgccagcttg tgttcccaac cttgatccta gccttgtctt gaccaaattt cacaatgtca 420

cagtactcca aggacctgaa tgattctaag ttcactg 457

<210> 5855
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-C8

<400> 5855

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atcttctccg atttcaagct tctcgatcaa aagaatcatc atgggaggag gaagagctat 120

ggcgacggcg gcgaaggttg ctggaatcgg agttggtaaa ggaggattca agggatttgg 180

atttcctccg gcgactgagc agtttcgtgt taaaaccgcg gcggctgcgg cgtcgtctaa 240

accggtttcg gcttcgatta catcggcggt tcatccttct gttgaagaag atgggatgat 300

tatgcagaga ccggtttggg atgattggga atttgctgaa gaagaaccga ttcctagggt 360

tgtttttagc aaacctccta gtcttgaaga agctaaagaa gctactgaag atcttaaaga 420

agcaattaat ttggtgtata tgtca 445

<210> 5856
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-D10

<400> 5856

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gctccactgc ttccacctct ctctcttccc gtcggaaatt tctctctcct tcctcgtctc 120

gtctccctcg catctccact caatctcctc gtgtcccatc gataaaatgc agcaaaagct 180

tacctaaccg agatacagag acttcctcaa aggattctct ccttaaaaac ctagctaaac 240

ctctagccgt agcctcagtc tcctccgctg cttcattctt tctgttccga atctcgaatc 300

ttccgtcggt tctgaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttcc 420

cccttc 426

<210> 5857
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-D11

<400> 5857

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gacaggctac ggtggtgaag gagggcgtga atgggacgat gatgtatatg agggtgtaag 120

aaaagtgtat gtaggacaag atatcaatcg tatcacttac gtcaaattcg agtatgtgaa 180

ggaagacggc caagtcgtaa caactgaata tgggaaaatc attcaacaac ccaaagagtt 240

tgtacttcaa tatccggacg aacatatcat agcggtggaa ggaaactatc gcggagtggc 300

tctatgtgcc acagaggtga tcacaaacct cgtcttcaag acctcaaagg gtagaaagtc 360

accactgttt ggtccaaact tgcttggaat tacgaccggt acaaagttcc gttattgang 420

atggaggaaa agaaaat 437

<210> 5858
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-D12

<400> 5858

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actctcctct ctgccggaaa atcgtccgtt ctttcttaaa ttttcttgat tccgttgagg 120

ttgctccagg tgttgacgaa gaaggtcttg aggttgctag agaatgttta agagaagctt 180

ttaaacttaa ttcagattct tcaagagatg atgatgatga tagctttaaa cctatttcac 240

ttgttaattt gtttacttca ttggacaaca atgaannnnn nnnnnnnnnn nnnnnnnnnn 300

ntgttgctgc tactactcag gatcctagtt cctccggttc tcatgtctcc gtggatacgt 360

gtaaagagcc taagttttac tgggacttct agagatgaac tgtttgggtc aactctttgg 420

gtgcgcttga naaagtacgg tattttaagg aatacacctg aagg 464

<210> 5859
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-D4

<400> 5859

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gaagagattg atgaagttct gaaatattac ccgcacggtt atcacagtgt agataaagaa 120

ggcaggcctg tgtatattga aaggcttggg aaagttgatc ctaacaaact gatgcaagtt 180

actacgcttg atcgatatat tagagatcat gttaaggagt tcgagaggag ttttatgctc 240

aagtttcctg cctgcactat tgctgccaag aagtatattg attcaagcac aactattttg 300

gacgtccaag gagtgggact gaagaacttc acaaagtctg ctcgtgagct tattacaagg 360

ttgcagaaga ttgatggaga caattatcct gagaacctcc accaaatgtt tatcatcaat 420

gcanggcccg gattccgtct gctttgggag 450

<210> 5860
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-D6

<400> 5860

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accaaatccg acatgaccca ggccctcgtt ttcggaggac tataatgatc ggactcttcg 180

tgtcccgtct cgattgcatg gggtttgagc tatgccggag cttcgccgtg gagtccgccg 240

tggccgtgtt actgatgctg tagctcccaa tcagcttccg caaacaccta cagaaaagaa 300

accgaagaag agtaccgtta aagctccaaa accggttgcc ggcggagtta cagggagttt 360

gcaagagagg gccgaaggac taagattaac gggcgaagaa aatttaaagg gaggaaagat 420

aaagaagata cctcaaggag aatcccgggt tggttgttgc cgt 463

<210> 5861
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-D8

<400> 5861

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actacaggtg cccttgaagg tgctcacttc ctcgctactg gcaaactcgt tagtctcagt 120

gaacaacagc tcgtcgattg tgatcacgag tgtgatccag aagaggaagg ttcatgtgat 180

tctggttgta acggtgggct tatgaacagt gcctttgaat acacgcttaa aaccggaggg 240

cttatgcgag agaaagatta tccttacacc ggtactgatg gagggagctg caagttagac 300

aggtctaaga tcgttgcctc tgtctccaac tttagtgttg tgtccatcaa cgaagatcaa 360

atagctgcaa accttatcaa aaacggtcct ctaactgtgg cgatcaatgc agcttatatg 420

caaacctaca ttggaggagt ctcgt 445

<210> 5862
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-E2

<400> 5862

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ccgatacagt aattctgctg gtggtgtttc tggacctatt cctggtggac ctaccattca 120

aatcgactgg tccttgaacc aggctcgagc catcaggact aacctttcag cgagcggacc 180

aaggccaaat ccacaaggat cgtaccacta cggtatgata aacactacaa gaacgatcag 240

acttgctagc tctgctggtc aggttgatgg gaagcaacga tacgctgtga acagtgtctc 300

attcaaaccc gcagacactc ctctgaaaat cgcggactac ttcaagattg acggtgttta 360

caagaagtgg aagcatacag taccaaccca ctgggtggag gaatatacct cgacacatct 420

gttatgcaag ttgattacag aacctttgtg 450

<210> 5863
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-E3

<400> 5863

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agattcaagt cagccgcaga gtggtgaagg agaagctgtg gctgtgaaca tcaggtgctc 180

taatggcacg aaatttagtg tgaagacgag tctcgattca acggtggagt ctttcaaaga 240

gttggtggct cagagcagcg atgttccagc taatcagcag cgcttgattt acaaggggtc 300

gtatcctcaa ggacgatnaa actctcctca gctatggttt gcaggctgat cacaccattc 360

atatggttag aggctctgca ccttcttcaa caccaactcc tgctccggcc gcaagccaaa 420

ccactgcanc taatgttact ccaaggggtt ggg 453

<210> 5864
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-E4

<400> 5864

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tctttggtat ccctttttctt cttctctgct taattcctga ccaaaaattg tgacaagatc 120

tttcaatcca aaagctatat acattaagag ctcaggtcac tatctgacgg gatccgtgac 180

aatagtggtt actggagtca aaagcagctc cttgaatctt gagtgttaag tagataggta 240

aggtaaccgt tcatggcctc gaagtatggt tctggagttc tcccagaaaa taannaggaa 300

aagggcgata aggaaacccc ggaaacatct tattccaagt caaagtgtct cagtaaacac 360

tttggcaaga tcaagtatct tcaactttgt cctttgctcc aagcagcgac aagtaaaact 420

ggaggtgaag ttaaatttaa tgaaaagtct g 451

<210> 5865
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-B4

<400> 5865

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tctcaatctc aaagaaagct ggtatgatcc ctcttcaaat ggaacttgga ggtaaagatg 120

catgcattgt tctagatgat gctgatcttg atttagttgc ttccaatatc atcaaaggag 180

gattctctta cagcgggcag agatgcactg cggttaaggt agtcctagtg atggaatcag 240

tagcggatga gcttgttgag aaagtgaaag ctaaagtggc caaactcacg gtgggaccgc 300

ccgaagagaa ctccgatatc acggcagtgg tgtcggaatc ttcagctaat ttcattgaag 360

gattggtgat ggatgctaag gagaaaggag caacgttttg tcaagagtat aaaaagagaa 420

ggtaacttga tttggccgtt gcttttggga 450

<210> 5866
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-009-Q1-E2-G10

<400> 5866

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ctcaaaatta gggttttctc ttttctcgaa agtcttgccg ttttctgaat catctctatc 120

tggtttgagg gtttcgtttg atatctggat aaaggggttt ctggaaacaa ggagttcaaa 180

attcgcgatc ttgataaatc gatcgtcagt acatattggc acatgaatga gattacgagg 240

gattctacat gtggtaaaat aaattccatt agtaat 276

<210> 5867
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-047-Q1-E1-G2

<400> 5867

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tatctggttt gagggtttcg tttgatatct ggagaaaggg gtttctggaa acaaggagtt 180

cataattcgc gatcttgatc tatcgatctt catttatata taaaagcgtg aatgagatta 240

tgatggagtc gaaaggtggt aaaaagaagt ccagcagtag tagttcctta ttttacgaag 300

ctcccctcgg ttacagcatt gaagacgttc gtccaaacg 339

<210> 5868
<211> 307
<212> DNA
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<223> Clone ID: LIB23-058-Q1-E1-F5

<400> 5868

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tttcgtttga tatctggaga aaggggtttc tggaaacaag gagttcataa ttcgcgatct 180

tgatctatcg atcttcattt atatataaaa gcgtgaatga gattatgatg gagtcgaaag 240

gtggtaaaaa gaagtccagc agtagtagtt ccttatttta cgaagctccc ctcggttaca 300

gcattga 307

<210> 5869
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-049-Q1-E1-C3

<400> 5869

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actaagctcc tcctctctat cccaccactt ctaaagctgg ctggtgagct ctctctgagt 180

gtcaagtctg tgaagtacac tcgcggctcc ttcctctgcc ccggaggcca gccttttcct 240

caccgcagct tctctgaaga agtctctgtt cttgatgggc actttactca gctgggcttg 300

aacagcgtag cctacttgat gggcaatgat gatgagacta agaaatggca tgtccatgct 360

gcctcggccc aggactccaa caaac 385

<210> 5870
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-G3

<400> 5870

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ttttctcgaa agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg 120

atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaagtccag cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag 300

acgttcgtcc aaacggtgga atcaagaaat tcaaat 336

<210> 5871
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-047-Q1-E1-C6

<400> 5871

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atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaattccag cagtagtatt tccatatttt acgaatctcc cctcggttac aacattgaag 300

acgttcgtac agacggtgga atcaagatat tcaaatcttc tgtc 344

<210> 5872
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-028-Q1-E1-G10

<400> 5872

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ctggagaaag gggtttctgg aaacaaggag ttcataattc gcgatcttga tctatcgatc 180

ttcatttata tataaaagcg tgaatgagat tatgatggag tcgaaaggtg gtaaaaagaa 240

gtccagcagt agtagttcct tattttacga agctcccctc ggttacagca ttgaagacgt 300

tcgtccaaac ggtggaatca agaaattcaa atcttctgtc tactcaaact gctccaagag 360

gccatcctg 369

<210> 5873
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-048-Q1-E1-D7

<400> 5873

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ctcaccgcag cttctctgaa gaagtctctg ttcttgatgg gcactttact cagctgggct 180

tgaacagcgt agcctacttg atgggcaatg atgatgagac taagaaatgg catgtctatg 240

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tgactggtct ggacagagag aaagctgctg tcttctacaa ggatgaagct gacaagactg 360

ggtcaatgac 370

<210> 5874
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-038-Q1-E1-D5

<400> 5874

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ttttctcgaa agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg 120

atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaagtccag cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag 300

acgttcgtcc aaacggtgga atcaagaaat tcagatcttc tgtctactca aactgcttca 360

aagaggcatc ctga 374

<210> 5875
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-G5

<400> 5875

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tcgaaagtct tgcggttttc tgaatcatct ctatctggtt tgagggtttc gtttgatatc 120

tggagaaagg ggtttctgga aacaaggagt tcataattcg cgatcttgat ctatcgatct 180

tcatttatat ataaaagcgt gaatgagatt atgatggagt cgaaaggtgg taaaaagaag 240

tccagcagta gtagttcctt attttacgaa gctcgcctcg gttacagcat tgaagacgtt 300

cgtccaaacg gtggaatcaa gaaattcaga tcttctgtct actcaaactg ctccaagaag 360

gcatcctgag taccaacgtg catcgattct cataatatag ttatag 406

<210> 5876
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-013-Q1-E1-C7

<400> 5876

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tcttttctcg aaagtcttgc ggttttctga atcatctcta tctggtttga gggtttcgtt 120

tgatatctgg agaaaggggt ttctggaaac aaggagttca taattcgcga tcttgatcta 180

tcgatcttca tttatatata aaagcgtgaa tgagattatg atggagtcga aaggtggtaa 240

aaagaagtcc agcagtagta gttccttatt ttacgaagct cccctcggtt acagcattga 300

agacgttcgt ccaaacggtg gaatcaagaa attcaaatct tctgtctact caaactgctc 360

caagaggcca tcctgagtag cagcgtgcac cgatcttcat aat 403

<210> 5877
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-063-Q1-E1-B10

<400> 5877

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ggttttctct tttctcgaaa gtcttgcggt tttctgaatc atctctatct ggtttgaggg 120

tttcgtttga tatctggaga aaggggtttc tggaaacaag gagttcataa ttcgcgatct 180

tgatctatcg atcttcattt atatataaaa gcgtgaatga gattatgatg gagtcgaaag 240

gtggtaaaaa gaagtccagc agtagtagtt ccttatttta cgaagctccc ctcggttaca 300

gcattgaaga cgttcgtcca aacggtggaa tcaagaaatt caaatcttct gtctactcaa 360

actgctccaa gaggccatcc tgagttacag cgtgcaccga tcttcata 408

<210> 5878
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-020-Q1-E1-D12

<400> 5878

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ctgaatcatc tctatctggt ttgagggttt cgtttgatat ctggagaaag ggggttctgg 120

aaacaaggag ttcataattc gcgatcttga tctatcgatc ttcatttata tataaaagcg 180

tgaatgagat tatgatggag tcgaaaggtg gtaaaaagaa gtccagcagt agtagttcct 240

tattttacga agctcccctc ggttacagca ttgaagacgt tcgtccaaac ggtggaatca 300

agaaattcaa atcttctgtc tactcaaact gctccaagag gccatcctga gtaccagcgt 360

gcaccgatct tcataatata gttatagctt tctttacttt ccagtttata attttcttct 420

ttcaaagctc cttttctgct gg 442

<210> 5879
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-060-Q1-E1-D7

<400> 5879

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ctatcgcttt catttttctc ctccagatct cgattccaat ctctctccct ctctacttcc 120

ttcaacagaa atggaaacgt tcctatttac ctctgaatcc gtcaatgaag gacacccaga 180

caagctttgt gaccagattt ctgatgcgat ccttgatgct tgcttagagc aagatcctga 240

aagcaaagtg gcgtgtgaga catgcaccaa gaccaacatg gtgatggtgt ttggtgagat 300

cactaccgct gcgaaagttg actatgagaa gattgttaga tccacttgca gggagattgg 360

ttttatctct gctgatgttg gtcttgacgc tgacaaatgc aatgttttgg ttaaca 416

<210> 5880
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-028-Q1-E1-B6

<400> 5880

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gaacgaagga caccctgaca agctttgcga ccagatctct gatgcagtcc ttgatgcctg 180

ccttgagcaa gaccctgata gcaaagttgc ttgtgagaca tgcaccaaga ccaacatggt 240

catggttttc ggtgagatca ccaccaaggc tacgattgac tacgagaaga ttgtccgtga 300

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agtccttgtt aaca 374

<210> 5881
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-047-Q1-E1-A3

<400> 5881

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cctttctcga aagtcctgcg gttttctgaa tcatctctat ctggtttgag ggtttcgttt 120

gatatctgga gaaaagggtt tctggaaaca aagagttcat aattcgcgat cttgatctat 180

cgatcttcat ttatatataa aaaccgtgaa tgagattata atggagtcca aaggtggtaa 240

aaaga 245

<210> 5882
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-055-Q1-E1-C11

<400> 5882

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tctgatgcag tcctcgatgc ctgccttgaa caagaccctg acagcaaagt tgcttgtgag 180

acatgcacca agaccaacat ggtcatggtc tttggtgaga tcactaccaa ggctactgtt 240

gactacgaga agattgtccg tgacacctgt cgcgccattg gatttgtctc tgatgatgtt 300

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gctcaaggag ttc 373

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<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H12

<400> 5883

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aagcagaatg gagacttttc tattcacatc tgagtctgta aacgagggac acccagacaa 120

gctctgtgac cagatctctg atgcagtcct cgatgcctgc cttgaacaag accctgacag 180

caaagttgct tgtgagacat gcaccaagac caacatggtc atggtctttg gtgagatcac 240

taccaaggct actgttgact acgagaagat tgtccgtgac acctgtcgcg ccattggatt 300

tgtctctgat gatgttggtc ttgatgctga canatgcaaa gtcctagtca acattgagca 360

acagagccca gacattgctc aaggagttca cggtcanctc accaaatgtc ctgaagaaat 420

tggacccggt gaccaa 436

<210> 5884
<211> 385
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB23-029-Q1-E1-A6

<400> 5884

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ggttgatcac atgaggaaga tgaagaacaa tgccattgtc tgtagcattg gtcattttga 180

caatgaaatc gagatgcttg gacttgagac ctaccctggt gtgaaacgta ttagcatcaa 240

gccacagacc gataggtggg tgtttcctca taccaactct ggcatcaatg ttctagctga 300

aggtcgtttg atgaacttgg gatgcgccat tggacacccg agtttcgtga tgtcgtgctc 360

attcaccaac gaggtgattg cacag 385

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<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-042-Q1-E1-D8

<400> 5885

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cttgggatgc gccactggac acccgagttt cgtgatgtcg tgctcattca ccaaccaggt 180

gattgcacag cttgagctct ggaacgagaa gtcaagcggg aagtatgaga agaaggtcta 240

tgttttgcct aaacacttgg atgagaacgt agctgcactt cacttaggca agcttggtgc 300

aagactcacc aagcttacca aggaccaatc tgactatgtc agcatacccg ttgaaggtcc 360

ttacaagcct gttcactaca ggtactg 387

<210> 5886
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-B1

<400> 5886

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tctttctggg atggcaagag cagtgccgat gatttgcaga aggtgtctgc tgatctcagg 180

tctgatatct ggaaacagat gtctgctgct gggattaagt atatcccaag caacaccttt 240

tctcattatg accaggtgct tgacaccacc gccatgcttg gtgctgttcc atctagatat 300

ggatttacca gtggtgagat cggtctcgat gtttacttct ccatggctag aggaaatgcc 360

tctgttccag ctatggagat gaca 384

<210> 5887
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-026-Q1-E1-H8

<400> 5887

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attggagtct ttctgggatg gcaagagcag tgccgatgat ttgcagaagg tgtctgctga 180

tctcaggtct gatatctgga aacagatgtc tgctgctggg attaagtata tcccaagcaa 240

caccttttct cattatgacc aggtgcttga caccaccgcc atgcttggtg ctgttccatc 300

tagatatgga tttaccagtg gtgagatcgg tctcgatgtt tacttctcca tggctagagg 360

aaatgcctct gttccagcta tggagatgac 390

<210> 5888
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-018-Q1-E1-G2

<400> 5888

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tgcattggaa tctttctggg atggtaagag cactgctgag gatcttcaga aggtgtctgc 180

tgatctcagg tcatccatct ggaaacagat gtctgccgct gggactaagt tcatccctag 240

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acctatgtat ggatacactg gtggtg 326

<210> 5889
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-057-Q1-E1-C11

<400> 5889

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tcccaatcct accaaccaca accattggat ccttcccaca gactgtagag ctcaggagag 180

ttcgtcgtga gtacaaggcc aaaaaggtct caaaggagga ctacgtttaa acccatcaag 240

gaagagatca agaaagttgt tgacctccaa gaggaac 277

<210> 5890
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-053-Q1-E1-G3

<400> 5890

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tcctccgtca gtaaaagaaa atcaaaatgg cttcacacat tgttggatac ccacgtatgg 180

gccctaagag agagctcaag tttgcattgg aatctttctg ggatggtaag agcactgctg 240

aggatcttca gaaggtgtct gctgatctca ggtcatccat ctggaaacag atgtctgccg 300

ctgggactaa gttcatccct agcaacacct ttgctcacta cgaccagg 348

<210> 5891
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-051-Q1-E1-E5

<400> 5891

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tctcccaatc ctaccaacca caaccattgg atccttccca cagactgtag agctcacgag 180

agttcgtcgt gagtacaagg ccaaaaaggt ctcataggag gactacgtta aagccatcaa 240

ggaagagatc acgaaagttg ttgacctcca agaggaactt gacatcgatg ttcttgtcca 300

cggagagcca gagagacacg acatggttga gtactttggt gagcatttgt ctggttttgc 360

cgtcactgca aacggatggg t 381

<210> 5892
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-015-Q1-E1-B8

<400> 5892

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ctcaggtcat ccatctggaa acagatgtct gccgctggga ctaagttcat ccctagcaac 240

acctttgctc actacgacca ggttcttgac accaccgcca tgctcggtgc tgttccacct 300

aggtatggat acactggtgg tgagatcggc cttgatgttt acttctccat ggctagagga 360

aatgcctctg tgcctgccat ggaaatgacc aagtggttcg acaccaacta ccattacatc 420

gt 422

<210> 5893
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-062-Q1-E1-H11

<400> 5893

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agtttgcatt ggaatctttc tgggatggta agagcactgc tgaggatctt cagaaggtgt 180

ctgctgatct caggtcatcc atctggaaac agatgtctgc cgctgggact aagttcatcc 240

ctagcaacac ctttgctcac tacgaccagg ttcttgacac caccgccatg ctcggtgctg 300

ttccacctag gtatggatac actggtggtg agatcggcct tgatgtttac ttctccatgg 360

ctagaggaaa tgcctctgtg cctgccatgg aaatgaccaa gtggttcgac nacaactacc 420

attacatcgt 430

<210> 5894
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-003-Q1-E1-E3

<400> 5894

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agctcaagtt tgcattggaa tctttctggg atggtaagag cactgctgag gatcttcaga 120

aggtgtctgc tgatctcagg tcatccatct ggaaacagat gtctgccgct gggactaagt 180

tcatccctag caacaccttt gctcactacg accaggttct tgacaccacc gccatgctcg 240

gtgctgttcc acctaggtat ggatacactg gtggtgagat cggccttgat gtttacttct 300

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actaccatta catcgtcgct gagttgggcc ctgag 395

<210> 5895
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-022-Q2-E1-C10

<400> 5895

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aagtttgcat tggaatcttt ctgggatggt aagagcactg ctgaggatct tcagaaggtg 180

tctgctgatc tcaggtcatc catctggaaa cagatgtctg ccgctgggac taagttcatc 240

cctagcaaca cctttgctca ctacgaccag gttcttgaca ccaccgccat gctcggtgct 300

gttccaccta ggtatggata cactggtggt gagatcggcc ttgatgttta cttctccatg 360

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cattacatcg tccctgagtt tggccctg 448

<210> 5896
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-043-Q1-E1-G1

<400> 5896

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cttgatgttt acttctccat ggctagagga aatgcctctg tgcctgccat ggaaatgacc 120

aagtggttcg acaccaacta ccattacatc gtccctgagt tgggccctga ggttaacttc 180

tcttacgcat cccacaaggc ggtgaatgag tacaaggagg ccaaggctct tggtgttgac 240

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gttgacaagt cattcgaact tctttctctt tcccctaaga ttctcccgat ctaaaaggaa 360

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<223> Clone ID: LIB23-010-Q1-E2-G11

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atcaactctt tctggtttga atgttcttgt cgagacctac ttcgctgata tccctgctga 360

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<211> 332
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<223> Clone ID: LIB23-007-Q1-E1-E11

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cgtcggtgga tcatctcgcc gtcgtgtcca tgcctccgcc gggatttctt cctcattcac 180

cggggacgct ggattatcct ccaggatctt aagatttcct cctaatttcg tccgtcagct 240

gagcattaaa gcccgtagaa actgtagcaa catcggtgtt gcacagatcg tggcggctaa 300

gtggtccaac aacccatcct ccgcgttacc tt 332

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<223> Clone ID: LIB23-059-Q1-E1-B4

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gggccctaag agagagctca agtttgcaat gggaaccttt cgg 103

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<223> unsure at all n locations

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tgatccagat ctcgtcggtt ctcccgtcgg tggatcatct cgccgtcgtg tccatgcctc 180

cgccgggatt tcttcctcat tcaccgggga cgctggatta tcctccagga tcttaagatt 240

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cgggggngat gctgctatct cgtccgcatc tgcggtttcc tccgccgcat 410

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<212> DNA
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<223> Clone ID: LIB23-017-Q1-E1-H7

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aatgccgttc tgatccagat ctcgtcggtt ctcccgtcgg tggatcatct cgccgtcgtg 180

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cccctgtggc tgccgcgcct ctcgtcgtgc tgaaaagc 398

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<223> Clone ID: LIB23-063-Q1-E1-C1

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tattgtgtgc aacattggtc actttgacaa tgagattgac a 161

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cgatttcggt cgtctcgaac tcgagctcgc cgaagttgag atgcctggac tcatggcttg 180

tcgtaccgaa ttcggacctt cgcagccatt caaaggcgct agaatcaccg gatctcttca 240

catgaccatc caaaccgccg tactcatcga aaccctaact gctctcggtg ctgaagtcag 300

atggtgttcc tgcaacatcg tttccactca agaccacgcc gccgcagcca tcgctcgtga 360

ctccgccgct gttttcgcct gg 382

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aaccgcgggt gctcgtgtca tagtgactga gattgatcca atctgtgctc ttcaggctct 300

tatggaaggt cttcaagttc tgacccttga ggatgttgtc tcagaagctg atatcttctg 360

taccactact ggtaacaaag atattattat ggttgatcac atgaggaaga tgaagaacaa 420

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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-030-Q1-E1-E12

<400> 5905

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cgtgaataca aggtcaaaga catgtctcaa gccgatttcg gtcgtctcga actcgagctc 180

gccgaagttg agatgcctgg actcatggct tgtcgtaccg aattcggacc ttctcagcca 240

ttcaaaggcg ctagaatcac cggatctctt cacatgacca tccaaaccgc cgtactcatc 300

gaaaccctaa ctgctctcgg tgctgacgtc aaatggtgtt cctgcaacat cttttccact 360

caagaccacg ccgccgcagc catcgctcgt 390

<210> 5906
<211> 386
<212> DNA
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<223> Clone ID: LIB23-058-Q1-E1-C10

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gatttcggtc gtctcgaact cgagctcgcc gaagttgaga tgcctggact catggcttgt 180

cgtaccgaat tcggaccttc tcagccattc aaaggcgcta gaatcaccgg atctcttcac 240

atgaccatcc aaaccgccgt actcatcgaa accctaactg ctctcggtgc tgaagtcaga 300

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tccgccgctg ttttcgcctg gaaagg 386

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<223> Clone ID: LIB23-070-Q1-E1-G1

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gatttcggtc gtctcgaact cgagctcgcc gaagttgaga tgcctggact catggcttgt 180

cgtaccgaat tcggaccttc tcagccattc aaaggcgcta gaatcaccgg atctcttcac 240

atgaccatcc aaaccgccgt actcatcgaa accctaactg ctctcggtgc tgaagtcaga 300

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<212> DNA
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<223> Clone ID: LIB23-043-Q1-E1-E8

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tcaagccgat ttcggtcgtc tcgaactcga gctcgccgaa gttgagatgc ctggactcat 180

ggcttgtcgt accgaattcg gaccttctca gccattcaaa ggcgctagaa tcaccggatc 240

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agtcagatgg tgttcctgca acatcttttc cactcaagac cacgccgccg cagccatcgc 360

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ttacgag 427

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<223> Clone ID: LIB23-073-Q1-E1-F6

<400> 5909

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gcttgtcgta ccgaattcgg accttctcag ccattcaaag gcgctagaat caccggatct 240

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ac 422

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<223> Clone ID: LIB23-046-Q1-E1-G6

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gagctcgccg aagttgagat gcctggactc atggcttgtc gtaccgaatt cggaccttct 180

cagccattca aaggcgctag aatcaccgga tctcttcaca tgaccatcca aaccgccgta 240

ctcatcgaaa ccctaactgc tctcggtgct gaagtcagat ggtgttcctg caacatcttt 300

tccactcaag accacgccgc cgcagccatc gctcgtgact ccgccgctgt tttcgcctgg 360

aaaggtgaga ctcttcagga gtactggtgg tgtaccgagc gtgctct 407

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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-055-Q1-E1-B8

<400> 5911

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agctcgccga agttgagatg cctggactca tggcttgtcg taccgaattc ggaccttctc 180

agccattcaa aggcgctaga atcaccggat ctcttcacat gaccatccaa accgccgtac 240

tcatcgaaac cctaactgct ctcggtgctg aagtcagatg gtgttcctgc aacatctttt 300

ccactcaaga ccacgccgcc gcagccatcg ctcgtgactc cgccgctgtt ttcgcctgga 360

aaggtgagac tcttcaggag tactggtggt gtaccgagcg tgctctaga 409

<210> 5912
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-018-Q1-E1-F7

<400> 5912

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tcgtaccgaa ttcggacctt ctcagccatt caaaggcgct agaatcaccg gatctcttca 240

catgaccatc caaaccgccg tactcatcga aaccctaact gctctcggtg ctgaagtcag 300

atggtgttcc tgcaacatct tttccactca agactacgcc gcggtagcca tcgctcgtga 360

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cgtgctctac attgtggtcc aggtggtggt catgatctga 460

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<223> Clone ID: LIB23-062-Q1-E1-E5

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cttgtcgtac cgaattcgga ccttctcagc cattcaaagg cgctagaatc accggatctc 240

ttcacatgac catccaaacc gccgtactca tcgaaaccct aactgctctc ggtgctgaag 300

tcagatggtg ttcctgcaac atcttttcca ctcaagacca cgccgccgca gccatcgctc 360

gtgactccgc cgctgttttc gcctggaaag gtgagactct tcaggagtac tggtggtgta 420

ccgagcgtgc tctagattgg gg 442

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<223> Clone ID: LIB23-006-Q1-E1-D12

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ggtgtctctg aggaaactac cactggtgtt aagaggcttt accagatgca gcaaaatgga 240

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ttgtatggtt gccgtcactc actccctgat ggtctcatga gggccactga tgtcatgatc 360

gctggaaagg ttgctgttat ctgtggatat ggtgatgttg gaaagggttg tgctgctgcc 420

a 421

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<212> DNA
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<223> Clone ID: LIB23-024-Q1-E1-H9

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cagatcgtgt tgtctattat caaggaaggt cttcaagttg atcctaagaa gtaccacaag 240

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cagatgcagc aaaatggaac tcttttgttc cctgccatta acgttaacga ctctgtcacc 360

aagagcaagt tcgacaacat gtatggttgc ggtcactcac tccctgatgg tctcatgagg 420

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<210> 5916
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<212> DNA
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<223> Clone ID: LIB23-059-Q1-E1-D12

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aggtgagact cttcacgagt actggtggtg ttccgagccg tgtccaaaat tggggtccag 240

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<223> Clone ID: LIB23-004-Q1-E1-B2

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gtctcgaact cgagctcgcc gaagttgaga tgcctggact catggcttgt cgtaccgaat 180

tcggaccttc tcagccattc aaaggcgcta gaatcaccgg atctcttcac atgaccatcc 240

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<211> 374
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<223> Clone ID: LIB23-044-Q1-E1-B3

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cgtgctcatt caccaaccag gtgattgcac agcttgagct ctggaacgag aagtcaagcg 180

ggaagtatga gaagaaggtc tatgttttgc ctaaacactt ggatgagaag gtagctgcac 240

ttcacttagg caagcttggt gcaagactca ccaagcttac caaggaccaa tctgactatg 300

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cagccaagct ttgg 374

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<211> 479
<212> DNA
<213> Arabidopsis thaliana

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<400> 5919

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aacatagata gatgtanaaa gctgtatgcg cggtatcttg aatggtcncc tganaattgc 360

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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tgcttggcct ctcagattca gacaaggaga aagtaccaca tgtcataaga tgggtgaatt 240

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aatttagctt ccaggtacca aaaacctgcc attaaggtgg gaaacaaatt ctaattcaaa 360

aaaagctgca naaaggtgtt aaaacctgtt nacaagccac atttgcaacc gcagctnggc 420

acaaagnaaa ctgagccnag aggaaccaag anaatgcgnc aaagagaagg ntgcaaaaag 480

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<210> 5922
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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gccgccaaga atctcagccg atctaggatt tctatgagcg tctctgctgg atctcagagt 240

actactgttc acgattctct gttcgctgat tacaaaccca cctctgcttt tctctttccc 300

ggtcagggag ctcatgcagt aggaatggga anagagtctc anagtgttgg agcagctgnn 360

gaagttgtat acganagcta ntgatngctt aanggtatga tcttttggng tatttgngta 420

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<210> 5923
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 5923

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ccatcttgct tcctatagtt gggaacgcag ctgaacatgc aggggctatc atgtttgcca 300

tgaaagacaa gctggatctg tctttgggag tggctattgg gtcctcgatc cagatttcca 360

tgtttgcggt cccattctgc gtggtgattg gatggatgat gggtcaacag atggacctta 420

acttccaact tttttgagac gggcgatgct gttcatcact ggtaatanta ntancaattt 480

ttccccaagg aaagggtcat ccaanttact t 511

<210> 5924
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-H12

<400> 5924

ggtccgcctg gncgtgaaan tcccggancg acccacgcgt ccgcaagncc tctcacttct 60

tcttcttcct ccgacaccgt tgcttaacgg ttttccattt ttgtcccttc aagatgatct 120

catggcacga cctctacacg gtcctcaccg ccgtgattcc tctctacgtg gccatgatcc 180

tcgcttacgg ctctgtccgg tggtggaaaa tcttctcacc cgaccaatgc tccggaatca 240

accgttttgt cgccatcttc gccgtccctc tcctctcttt tcacttcatc tccaccaaca 300

atccttacgc aatgaatctc cggttcatcg ccgccgacac tctccaaaaa atcancatgg 360

ttgtcacttt aagcccaatg ggntaaattc aaccgctccn ggaacctcca aatggagcaa 420

tacaatcctt ttcctnccca aannttccaa naatcctggt aaggggaatc cnccccctga 479

<210> 5925
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-H3

<400> 5925

acggttgcct gtcctaccgg cccggaatcc gnntcgaccc acgcgnccgc ttcatcttcc 60

ncgcttaaac ccattaattc aatttcttca tagccagcaa taagatctgg caaattaaac 120

cattccacta tgcttcgtat agttcaaatc acgcttcttt gtttcgttct cgccgccggg 180

atctcgatct ccgccgtgat cgccgagaat gaatctatag acgagatcct tctagcgaat 240

ggattacctt tggggctatt tcctaaaggc gtgaaaggat ttaccgttaa tggcgaaacg 300

ggacggttct cggtttattt gaatcagtca tgccaggcta agtatgagac agagctgcat 360

tacgatgaga ttgtttcggg aacgataggt tatgctcaaa tcanggattt atcgggaatc 420

tcagcgcaaa gagctgttct tgtggttaca ggtgaaagga atccgantcc aacttgccaa 480

ctcctgggct taaattcttc gacgttggng tt 512

<210> 5926
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-H4

<400> 5926

ttcccnacgg cccggaaatc ccgnancgac ccacgcgtcc gctcgatttc acaggcggaa 60

taaacaagtt ggatgggact cggcaaaaag tatttcttct catcccaacc aatttaggct 120

ctatgttatt gttatatggt tacagttatt gttacttttc atggcgtgta tctgacacat 180

ccatcatgaa aattgcaggt acttcatctt atgattgctt cttcaaacac tggttctgtt 240

atttatttcg tggctgcggt tatagcgact tgcacaaggt ggcatcattg ggtccaacgc 300

attaggtttt ctactcatgg cctttcccaa aaattctgtt tcctggcaaa ctttcctccn 360

gcttcccnct ttcngggtaa aaagntttgc aaccagggaa aatgggnaag gagggatnat 420

gatgaagatg aaagaaaatt ancatccaac aaantgttgc cttgaaaaaa gcaangnnca 480

anccangttc ttcnaangca antggttctt aaaaatggtt ggccccttcc aag 533

<210> 5927
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-A10

<400> 5927

acgcgtccgg aaaaagaaaa cattaatttc aaccaaagca naacanagag aaaaaaatag 60

agagagtgaa tcaatttcgg tggagaaaga gaagaatgga gcagccgtac gtgtacgcat 120

acccgcaagg tagtggcccc tcgggagctc cgactccaca agccggagga gtggtagtgg 180

atccaaagta ctgcgctcct taccctatag atatggcgat cgtacngaag atgatgtcgt 240

taacggacgg caatttcgtg ataacggacg tcnacggcaa cctgctgttc aangtgaaag 300

aaccggtgtt ttggncccca cgacaaaaag ggtcttgccg gatgggtctg gtaatcccgg 360

tcctcacttt ganaggaaan atggtggnca tgcatgacan gtgggaantg tttaaaagga 420

gggattacgg ttancg 436

<210> 5928
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-A11

<400> 5928

tngcccggtc gacccacgcg nccggccnaa agctctcgcg attcctgatg ttcttcagta 60

atttcttgca atccttataa acaaagagcg tggagaatcg tttcagagga aagaaaacta 120

aaaatggcga ctcttttcaa caaatttcag caggctgttg gagttcttgc caagagtacc 180

acatttgcta agaacccaag gcaactgcag tttgaagcag acgttaacaa actctttatg 240

tatacaagct ataaccggtt gggacgagaa gctgaggaga ctgatgcaga ggaagatnat 300

tgagatggct ggtaaagcca ctttatctga gcaacaagaa ngcaaagttc aagagaacat 360

tcactagcaa gttgaaaaat tccgctcctt tgatgggatg ggnatccttc cgtccctgat 420

gttangaagg acgaatccgg ggtcacaatc aacaagccct cgttctcccn cgt 473

<210> 5929
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-A2

<400> 5929

tccatactcg gtggcgactc aaaatgggtc aagaatcgtt tatctatagc ttcgtcgcca 60

gaggaactat gatcctcgcc gagtataccg aattcacagg caatttcccg tctattgctg 120

ctcagtgtct ccagaagctt ccgtcctcca gcaacagcaa gttcacttac aactgcgatc 180

accatacctt caatttcctt gtcgaagatg gctacgcata ttgtgttgtg gcgaaagatt 240

ctcttagcaa gcaaatctcg atcgcatttc tggagcgtgt gaaagctgat ttcaagaaga 300

gatatggagg tggaaaagca agtacagcta tcgccaaaag tctcaacaag gagttcgggc 360

cggtgatgaa aggaacacat gaattatatt gttgaccatg cagaaggaga ttgaaaaact 420

aataaaagtc aaggntcaag gttcagaagt taaagtataa tgttggggaa tattgacaag 480

g 481

<210> 5930
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-A3

<400> 5930

cgacccacgc ntccgcggac gcgtgggttc ctcttccttt ttctttcctt atatcgagaa 60

aagcctctgc ctcatataga gataactaaa cagaacagag caagaactat acagccataa 120

caatggctgt cacaaaactt attctctttg cttctgcatt acttctaaca gctctattta 180

tcggcgttaa tgcatccagg tccaatgaaa catggnatga acatgcagtt gagaacccag 240

atgaagtcgc tgccatggtg gacatgngca ttcgaaacag cacagagcgg agaagattan 300

gttacttctc ctgcgccacc ggcaacccaa tcgacgattg ctggcgttgc gaccgcaaat 360

ggnaactccg tcgcaaacgt ttaacccgat tgctcaatcc ggntttggcc gcaacgcaat 420

cggagggcgc cgacggtccg ttctacgttc ttaaccganc ctggagacga cgattcccgt 480

ttat 484

<210> 5931
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-026-Q1-E1-B11

<400> 5931

acgcgtccgc gancgtagaa accttgaaaa tccgagacat ccacaatgcc gccaaagttg 60

gatccgagtc agatcgttga cgtgtacgtc cgagtaaccg ggggagaagt cggagcagcg 120

agttctctag ctcccaaaat cggtccgcta ggtctcgcac caaagaagat cggagaagat 180

atcgcgaaag aaaccgcaaa ggaatggaaa ggattacgtg taaccgtcaa gctcacagtg 240

cagaatcgtc aggcgaaagt gacggtggtt ccatcagcag cagcactcgt catcaaggcg 300

ttgaaagaac cggagagaga taggaagaag gtgaagaaca ttaagcataa cgggaacatc 360

tcgtttgatg atgtgactga gaatgctaag atcatgagan ctanatctan tgctaaagga 420

attgagtggg acagtgangg aaaatctggg aacttg 456

<210> 5932
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-F3

<400> 5932

acgcgtccgc ccacgcgtcc gaataatttg agatggcgat aggaaaccca gaagtagcaa 60

ctatggggaa ggagaacact gaagccgagt cctctaatgg aaacgagtct cagttaagtt 120

ctgacttaac gaagagtctt gatctggctn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnngt tctcttcaac agactgatcc tccttcaatt cctgttcttg 300

agctcttccc ttctggagat tttcctcaag gtgaaatcca acagtacaat gatgataatt 360

tgtggagaac aacatctgaa gagaagagag agatggagag gctgcaaaag ccgatatata 420

actctcttcg ccaagcagcg gaagttcacn tcaagttagg aagtanatga aaaagtaact 480

gcc 483

<210> 5933
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D3

<400> 5933

aatggtccta cggcccggaa tccgggtcga cccacgcgtc cgacggaaac gggtttgatt 60

ctcatgtggt tccctttgat aatattggga ttgtttgttt tgaaatgggt gctgaagaga 120

gtgaatgttt ggatttatgt gtccaaactt ggtgagaaaa aacactatct gccaccaggt 180

gatttgggat ggccagtcat aggcaacatg tggtcctttc ttagagcttt caaaacatct 240

gatcctgaat ccttcatcca atcctacatc accaggtatg ggcgtaccgg gatttataaa 300

gcacacatgt ttgggtaccc atgtgtacta ttaacaacac caganacttg taggcaantt 360

ctaacagatg atgatgcctt ccacataggt tggccaaaat ctaccatgaa actcattggc 420

aggaattcct ttgttggtnc ccctttga 448

<210> 5934
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D6

<400> 5934

acgcgtccgg tgtttcatcg tgatttgaag cctaaaaata ttctagccaa ctctgattgc 60

aagttgaaga tttgcgactt tgggcttgct cgagtgtcct ttaatgatgc accttcggct 120

atattctgga ctgactatgt tgctacaaga tggtaccgtg cgccagaact ttgtggctct 180

ttcttctcca aatatactcc tgccattgat atatggagca taggatgcat atttgcaaga 240

aatgctcact gggaagccat tgttcctggg aagaagttgg tgcacaattg gtatatgact 300

gatttgcntg gnaactcctc ctccnaannc tattgcaagg attcntangg gaaaaggggn 360

angagatatt ccgggantaa taanggggaa aaccgccaan ttccaancaa ttccccaaan 420

tttcccccaa gtnggacccc aattg 445

<210> 5935
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D7

<400> 5935

acgcgtccgc ccacgcgtcc gggacagagc ggcatgaatc acgtcgaata gacaatcagt 60

tgcgtgggcg aagtggccgg caaggggatc ctggaagttc ccgattcttc cttagtcttg 120

aagataacat attccgcatt tttggtggag atcggattca gggtatgatg agggcattca 180

gggtggaaga tttaccgatc gaatccaaga tgcttactaa agctctagat gaagctcaga 240

gaaaagttga gaattacttc tttgacatca gaaagcaatt attcgaattt gacgaggttc 300

tcaatagcca angagatcgt gtttatacag ananaaggcg tgcncttgtt tcgganancc 360

ttgacccccg gattaccgan taggctnant tganaanggt tgacattcta aggnnaaatt 420

tgggcccana tnccccaagg gaaaccggga ttttgaaanc cca 463

<210> 5936
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D8

<400> 5936

aantggtctg ccggtgccct gggcntacna atccgganat tcncgggtcg acccacgcgt 60

ccgttctcat ctcatcttca agccatctcc gatcatcatc agacaatggc agcagctatg 120

gcaacagcaa ccaagtgcat gtctctaaac ccatctcctc ctaaactcca aaaccaaacc 180

aaatccaaac cattcatctc cctaccaacc ccaccaaaac caaacgtctc tctcgccgtc 240

acaagcaccg ccctagccgg agccgtcttc tcttccctca gctactctga gccagcttta 300

gccatccaac agatcgctca gctcgctgca ngcanacgcc agtagcgaca acngtggctt 360

agctcttctc cttcccatcg tcccaancca ttgcatgggt cctttanaac atcctccang 420

ccagctatta ancaaggtca acangntgcg tgagagtaaa ggtatcgntg ttggtctagg 480

tantggtggt ggtcntgcag ggt 503

<210> 5937
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D9

<400> 5937

actggtntgc ctggctctac cggcccggaa atcccggntc gacccacgcg tccgtcggat 60

tttcaccgct ggcattgctt ccttctacga gggttactat gccaacaaag gaattaacat 120

tgtcaaaggc actgttgcat ctggtttcac taccaactca aatggagagg tcactgaggt 180

gaaattgaaa gacggaagaa cgttagaagc tgatattgtg atagtgggtg tcggtggtag 240

accaattata tcactcttca aagatcaagt tgaagaagag aagggtggtt tgaagactga 300

tgggttcttc aaaacaagcc ttccagatgt atacgccatt ggtgatgtag ccaccttccc 360

aatgaaactc tacaatgaaa tgagacgcgt tgaacacgtt gaccatgctc gcaaatccgc 420

tgaacaagcc gtaaaggcaa tcaaggcggc tgangaaagg aactcaattc cggaatatga 480

ctatcttcca tactttactc ccga 504

<210> 5938
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-E1

<400> 5938

aactgttncc cacgccccgg aaatcccgna gtcgacccac gcgtccgccc angcgtccgg 60

gatcattcga ctctcattag tactgctact tgcatctgag tttatgaatt gggacaatgg 120

atctgcagat tgtgtgtgat ctgatgaaac cattgttgtg ttttttttgtt tcatctcaag 180

aaactagcta aagagatctg ttactgcatt atctattgat gttgtctatt tatgtgtgtt 240

tcaggtgatt taagacaaca tcaatagata atgcagtaac agatctcttt agctattgat 300

gttgtctatt tatgtgtgtt tcaggtgatt taagacattt cctcgatgat ttgtgatcca 360

actcngtttc tcttttgntg ttgtactcnc atgttcccac ttntgtccca agtgttaact 420

cagaanttta cnccncagtn anaaaaaaaa aaaangggcg ggccg 465

<210> 5939
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-E10

<400> 5939

ctggtttccc tgggccctac cgggtccgga nattcccggn tcgacccacg cgtccgggaa 60

actgagaaga aattggaact taaagacggt aaaggaggaa aacttgtggg attccatggg 120

aaagctagtg atgttcttta tgctcttggc gcttatttcg ctccaacaac aaattcaact 180

acgccatcga ctccttctac atctaagaaa ctacaagcaa gaggtggaaa tggaggagct 240

tcttgggatg atggtgtttt tgatggtgtt agaaagatac ttgtacgtca aggaaacgat 300

ggtgtagctt tcgttacgtt tgagtacaac aaaagctctc aagcaatcct ccgtgatcgt 360

catgggaaag caaacattac ctgggnactg aaaacgtttt gngcttgant aaccaagtga 420

gtacatcact tcggtagaaa gggtaccaat gacaaaaatt ttcggngttt gaaacctgaa 480

antggtgacc antcctaacg ttccaaagaa ctaaccaaga gaaacntct 529

<210> 5940
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-E11

<400> 5940

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aacgagtaga gatcgatgga gctactgctt attctgttga tggaactcct gcggattgca 120

ctggtttggg cttatcggaa gcactctttc cttctcgtcc tgacctggtt ctgagtggta 180

taaacgtggg tagcaactgc ggttataaca tcgtctattc tggaactgtt gctggcgctc 240

gtgaagcctt cctttatgat gtgccttctg cctccatatc atatgatttt gattggaaac 300

gtggagagat gaatgctaat gattttgccc tttctgccca ancctgcttg cccattatca 360

acggcatact cggtgcaatc aagaacaaaa ctcancctat gcaatgcttt ctgaatatcg 420

atttgccgac tgatattgct aaccacaagg gatacaaac 459

<210> 5941
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-E2

<400> 5941

gttcctacgn ccccggaaat cccgnagtcg acccacgcgt ccgggttnct cttcggttct 60

tttgagccta gagttgcgta ttgtgatgct gctgctgcaa tagatgatga ttaccttggt 120

gctatacgga aaatgtctgc ggatgttttg cagcgtcaac cccttgcgta tatttctagg 180

tccaaggaat acaatatcca gccaaaacca gttctctcgg cctttgagtt cagggcactt 240

gcaatgacta cagtgagatc ccttttgatg ttttatttgc ctcttttgga gcctaaaacg 300

gnttcagagg atgatgatga tttcctaaac aatgctgcag aagaaaaccg ccacacagac 360

ttgattgttc ctcttaaana gtcagcaaag catgattgcc cgtgaaacca nanttgnaac 420

cactcagnca ntccttggaa ggctgggact naagttactc ncacaacgta ag 472

<210> 5942
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-E8

<400> 5942

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cggtggccaa tacacggatt ttccggcggt ggaaactcac ggaggacagt tcataagtta 120

cgatatcttc ggtagtttat tcgagatcac atctaagtat cgtcctccga ttataccaat 180

tggtcgtgga gcttatggaa tcgtttgctc tgtgttggnt acngagaaca acgaacctan 240

taccatgaag aagatagcta atgcttttga taatcatatg gatgctaaac gtacgcctcg 300

tgagattaag cttcntcgtc atcctgatca tgaaaacatt atagctatta gaaatgttgt 360

tcaccaacac taagaagaca atttnatggn gtttaaaacc cacngaatta aggggaacng 420

tttncaacaa tcatcaagat ttaancagag tt 452

<210> 5943
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-025-Q1-E1-F11

<400> 5943

acgcgtccgc acaagaacag ggcaaggaaa atgtcggttt tcctctgttt cctcgtcctc 60

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ggtccaaaga agcttcccat catcggaaac ttacaccaac gcaggacact acatccgagg 180

aatcgccgta atctcgccga aatgtatgga ccagtggcgc ttctccaata cggattcgtc 240

cccgtggtcg cgatctcttc gaaagaagca gcagaggaag tgctaaagat caacgatctt 300

gagtgttgta gtcgaccaag aggcggccgg aatgagagca acttttttaca acttcaaaga 360

catcggggat ggcacccttc ggtgacgagt ggagtctgat gcggaagctc tcggtggtcg 420

agctcttcag cgtgaaaaag cttcaatctt tcaagtatat cat 463

<210> 5944
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-F12

<400> 5944

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cggaatcttt ggtgatcacc gaccggatct ggacgaagaa tctcgttaac aaactcaaca 120

agcattctcc aaagcttcct ccttttttctt caacgatcgt cattgcattg taatttggag 180

agtttagcta caaagtctgt cttcatcgaa ttaagatcta tctgattttt ctgggtggnt 240

ctcatgtgtg agatttttga tgggtttaga gttgtcggat atggaangtc ttcttatctt 300

tgatttgtnt tataaattaa gcggnaanaa ttttganggt gactttgagc cgaaaaacct 360

ggattccttc caaggaagta attaatggtc cctgangaan tcccctgttt ttgccgncaa 420

attttcaatt ttccngagtg gtaataaatt tagaatcnat aatgcagcaa gatananaga 480

aantgtgtta atcngaagaa gacc 504

<210> 5945
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-F2

<400> 5945

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tcgagagctc agatctccga tctagagcct ttcgcttctc ctcttctgtt catataacaa 120

ctgaataatg tcgatctccg cccaaaatcc ggatatttcc ggcgatagac aatccggcca 180

agatgttcgt actcagaacg tgatggcttg tcaagctgtt tctaatattg ttaagacctc 240

acttggtccc gtcggcctcg acaagatgtt ggtggatgat attggtgatg tgactattac 300

aaatgatggt gctactattc ttangatgtt ggaggtcgag caccctgctg ctaaggttct 360

tgtcgagtta gctgaacttc aagatagaga agtcggtgat gggactacat ccgttggtaa 420

tggtanctgc tgaattgttg aagaaggcaa atgatttggc aggaacaaaa tacatccaac 480

a 481

<210> 5946
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D2

<400> 5946

aatggttgcc tgtcntaccg gcccggaatc ccgngtcgac ccacgcgtcc gtgtancttc 60

actaattcca catactcaga gagaaatggc aaccgaaacc gtattagcca cggcggtgag 120

caatggcaaa agcaaaggat gttgcaagtc cggtccaggt tacgcgacgc ctctcgccgc 180

catggccggt ccacgggaaa agctcatcta tgtcactgcc ctttactccg gaacggggcg 240

agacaaaccg gactacttgg caacggtgga tgtggatcca agctcaccca cattttcaag 300

cgtcattcac agactaaaaa tgccatatat aggagatgag cttcaccaca ctggttggaa 360

ctcttgcagc tcttgccatg gtgatgcttc tgctgataga cgttaccttg tcttacaagc 420

ttantttcng gcgcatctan gcaatcgaca caaagacgac ccaanggtcc tcttgtanaa 480

ggttttaagc ctaggnaatt ccgaaa 506

<210> 5947
<211> 540
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B4

<400> 5947

ggaactggtt tgcctgttcc ctaccggcnc gggaaatccc gantcgaccc acgcgtccgg 60

caancaaaat gtttgttctt gatgaagctg atgaaatgct ctctcgtggt ttcaaggatc 120

agatatacga catcttccag cttcttcctt ccaaggttca ggttggtgtt ttctctgcta 180

caatgcctcc cgaagccctt gagatcacaa ggaagttcat gaacaaacca gtcaggattc 240

tggtcaagcg agacgagctg actcttgaag gtatcaagca gttttatgtc aatgtagaca 300

aggaagagtg gaaactcgag acactatgcg atctctacga gacactggcc atcactcaaa 360

gcgtcatctt tgtgaacaca aggcgtaagg ttgattggct aaccgacaaa atgagaaacc 420

gtgaccacac tgtttcagct acacacggng gacatgggac caagaacaca agagacatca 480

tcaatcccna aattccgctc ctgggtcctn cccgtgtccn caaaaacact ggacctccnt 540

<210> 5948
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B5

<400> 5948

acgcgtccgc tcgcttaatt tctcaataac gctctcagag agaccatttg atgaagcttc 60

tcgcttctgg aatttgaaaa ggatttgata agacgagttc atagaagatt accgcaagtt 120

catcaacttt ttgaacttgt tatggagata atctcactga acgttgtgcc ccagtgctct 180

gtggttactt ggagtagtaa attagcaacg aaaagattgg tcccaaatcg gtcaagtttg 240

ttattctcag gggtcaaaaa atccagactt gtgattcgaa gtggaaattc cgatggttat 300

gttgttggtg agaatgatga cttgggtcgt atagccagaa gaggagaatc aacgtcaaan 360

gntttgattc ccggtttgcc tgatgaatca aatggtgaaa ttgctgctcg aatcaatcaa 420

tcccactgcg antggaagcc aagcctaaag tacantatg 459

<210> 5949
<211> 466

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B8

<400> 5949

acgcgtccgc ccaagcgtcc ggagagtgta tccatttttg gaggggaaaa caaagtatgc 60

agcagccctg tgtgatagtg ggttcgaagt actgctcacc aaaccctgta ggtttggcga 120

tcgtccgtaa ggtgatgaag ataacggacg gtaacttcgt gataacgagt gcggacggta 180

agttattgtt caaggtgaan gatcctttgt ttagtcttca cggcaagang atcttgctgg 240

attgttctgg agctaaggtc ttaactttga gagggaagat gatgaccatg catgacaggt 300

ggcaagtgtt tagaggangg agtacggang anggtgctct actatacacg gtgaaaagat 360

cgtccatgat tcanctaacc cctaaacttn aggtgttttt ggctaacaac gtanaggana 420

agatatgtga tttcaaagtc aaaggggcct ggctcgacna cccttg 466

<210> 5950
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C1

<400> 5950

acgcgtccgc tcaatctttt tcgtcgtcaa aagccaaagc tttttgcttt tttgtcttaa 60

tgggtttcat ctcttgcatc tcatttccga cgatcaattc aagaattcta tcgactcacc 120

acttttccaa gcactcgact tcagcgtctt cttcatattc acttaagttt gctttgagac 180

gtcaggagga taaacccaaa gtctcgtttt ttcttccatt aacgtcttcg ttaatggcga 240

cccctattca agcctcttct tcctccacca ttggtgagac cagtgatggc ttgaaggtcc 300

agtctcatgt ttcaattgga gcaaacgatc tgctgattgt tggaccgggt gttcttggac 360

gcttagttgc agaacagtgg agacaggaac atccagagtc tcaaatcttg ggcagacagt 420

aacaacaaat catcaagggg aanttggnga aattgggtat caaaccatcn cctaaa 476

<210> 5951
<211> 479

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C10

<400> 5951

acgcgtccgc ccanctcttt ttttttttt aacttgtctt ctctctttcc ttaactttga 60

tggcactgtc ccttctctcc tacaacgtct ccgacctctg tctcggcaaa cctcctcttc 120

gttgtctttc ctcctcttcc tcctccgtat ccgacgccat cgctgccctc aaatcctctg 180

aagacacttt cctctccgtc tggaattgca atcacgacga tgacaataac acagagtgcg 240

agtgcttggg gaaaatatca atggctgacg tcatctgcca cttgtccaaa gaccatgacc 300

acagtctctg tgccttaaaa ctcatccgtc tctgttcttc tccccaaaac tcgttccatt 360

gtcctccatg ttcaaccaat cctgcaagtt ccttaatcct tccaaaactc ccctccnggt 420

tttgaagggt ctacaattaa aaanttcaac cctttaagtt tgtggcctaa nccggtttc 479

<210> 5952
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C11

<400> 5952

acgcgtccgc ccangcgtcc ggaaacaaac acgagaagaa atacttctac aaaaggaaag 60

aagaagataa aagaaatcct tcaaaaagca gatgctgcag ggacaacttc tgatctctat 120

atggcttaca aagggcctga ggaaaagaaa gagagctcaa atgttgttca tgatgtttcg 180

aaccagaacc tgttacctgc catacctcag gctgttgaag ccattgtgga tactgaacca 240

gtgaaaaatg aaccagaaga ctgggaagat gcagccgatg tttctacacc aaagctggaa 300

actgcagata attctgtgaa tgcaaagaga ggttcctcag atgaggtcag cgacaactgc 360

atcaatacag aaaagaagta ctcccgggat ttcctcccta aaattttgca aganctgtgt 420

tactggctcc ttccctgaag ggaatttgac gttttcncct gataattgcc aa 472

<210> 5953
<211> 660

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C12

<400> 5953

aaantgggtt tcgcctgggc nngtaccggg ctccgggaaa attcccggga gtcggaccca 60

acggcgntcc gggcaaaaac aaaaggggaa agaaaggaaa tcaaagaatg ggctctgggg 120

aaaaatcctg gtggttggaa aaaagctggc ctggtttggg gtggctccct ggattcaatc 180

ctcgggcgga actggtcccg gtttcaaagc ccaaacgggg gcctcctttc tccaacaact 240

ccgaaaggga agaaagaagt cctttaaccc taacaaaaat cccatctgga ttaaaccctt 300

ctcctggaac aaaaaccccc aagttgggtt tctttgggac atttaagtcc cttcaaaggg 360

gaaaagttac caagttgcnt taangattcg aacgaacaan gttgggttga actggatttc 420

ccgaacgtnc atccgtttgg gtaataactc cnaaggagga anttatccct gattcaacca 480

antcaaagaa ctccctggct gaaattttgc ccnccggttt gggttcaaca atttttgggn 540

acttttgggg aaattcttng aagagcaaan ggntccaatg acggtttgaa aaanccttgg 600

tttttnagcc taaaacnttg ggaaacctct taannttccn aatgggcctt ttttccccgg 660

<210> 5954
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C2

<400> 5954

antggttgcc tgttcctacc gccccggaaa tcccgantcg acccacgcgt ccgtgcaagc 60

aaggaaacag cgagaagcag tacttgaggc tgcactagct gagaaagaat acatagaaga 120

agagtttagg aaaaaagctg aagaagcaaa gagaagagaa gaggcccttg aaaacgattt 180

agccaacatg tgggtgcttg ttgccaagtt gaagaaagcc aatagtggcg ccttgtcaat 240

acaaaagagt gacgaagcag agcctgcaaa ggaagatgaa gtgacagagt tagataataa 300

gaatgaacaa aatgcaatct tgaaagagag gcaactcgtg aatggacatg aagaagtaat 360

agttgccaag gctgaagaga caccaaagga ggaacctctt gttgctcgtc ttaaggcaag 420

aatgcaagag atgaaagaga aagagatgaa atctcangcg gctgcaacag ctaatgctga 480

tgcaaactca catatatgtt aaagtcngtt ttgagtcccc cgaccgccac 530

<210> 5955
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C3

<400> 5955

acgcgtccgt tcttcttctc ttgatcacca ttgctattgc atatgctgca actcctgccc 60

aaccagtatt tccatctgca tttaacgcag aagtctccag atatagagga ggacaaagac 120

cagttaaagg tgaatggtac tatagcgttg ctctcaatgc tgaaagattt gattttgata 180

tgattgatca caatgaccaa cctgttcatg aagcatttta tgcacttcat aatgaatcaa 240

ctggatattt gatgaccact gctggaggta gcttctcatg cagaaaactt aacattggat 300

ccaaactttt tgttccatct ctcactggat tcacttatac tggattagat gttgtccaac 360

tcaatatgcc aacccctgca tacaaatgga taaactctaa ccaaactgat gaactcaaag 420

tatactacaa tcaagtttac tgctcaaaat accccngtta gagcaagat 469

<210> 5956
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-C5

<400> 5956

acgcgtccgc gcaaaaatca gtttctcttt gagtaagtgt ttattacaat taaactaact 60

caggcaagtc tatgatcatg gcttcttctg ctgctgcatc gatctctatg ataactctaa 120

ggaacctctc tcgcaatcat caatctcacc aaagcacttt tctcggtttc tctagatcct 180

tccataacca aaggatctca tctaacagtc caggtctctc cacacgagca agatccacca 240

cttcctccac tggaggtttc ttcagaacca tttgcagcaa gcagtagcaa tgactactcc 300

aagaccaact aagattcaag agcttaacgt ctacgagttc aacgaaggta tcgaaacagt 360

caagcggttt taaaactaag ggaaaaaacc aagatcagcc tttgtctccg agatcttgtc 420

cccttcacaa acaaactcct acacanggag atntcacaaa acgcatagga atcaccgcan 480

<210> 5957
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D11

<400> 5957

acgcgtccgg ttaatttaga gcaacatccg tccggtgttc caaactttca agcaccaatg 60

ggatggccaa accatatgcc tcaatacttt tacccgtctc cataccaagg ctatccgtac 120

cctcctatgc aacacatgcc aaatcaaaac caaggaaaca tgccatggcc ttcaaggggc 180

aaaacatcca agaaaaaagg gaaggggat tctgatggag atgagtctag tgaatcaagt 240

gaatctagtg aatctgaatc ggccagcgat gattctgctt catctttgga agatcaaggt 300

aaaagacact ctcgtacaag taaaaactca cgccgatnaa agaaaaaccg gaagaagtca 360

tctaaaactg ttatcatccg taatattaac tatataaccc ggagggaaaa aatggagaca 420

tggaggggaa atgantttac gggacaacgg ttccntccaa 460

<210> 5958
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-D12

<400> 5958

cggcccggaa ntcccggatc gacccacgcg tccggtanac cgtcaaacgc tcctccgtcc 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnntctcatc gatcactctc tccaagatct attcacgcat cgtcggaaga attttcgctt 180

ccgacgacgt ttctctcgtc tgattttgtc tccgaacatc ctacctaatc gtattcggtg 240

ctggatttga atccggtgaa ctgaatctga caatttcgtt cccggaggtg tttaaaaatg 300

gccgggatct tgaataaatt gcggaatcta gatgcatatc ctaagatcaa tgaagatttt 360

acagccgtac attatcccgg gggagttatc aactcctctc ctnctncgtt ggttaagttc 420

cctcccctcc tcctccgaac tccgtcctta accttcaata caagtcaacg ngacgaaagc 480

ntaaaagtag ataccttcaa n 501

<210> 5959
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-025-Q1-E1-B3

<400> 5959

acgcgtccgg gtgtttgaag cattcgaagt cggcacagtc ccattcaatt ccgatggttg 60

gggaccacca gatgcttccg acacttcctc caccagcgtc gcggcggcga atctcctccc 120

aaacgtcccc ttcgcttcct tctcacgatc cgaaaaactc ggacgcgttg ctgattggac 180

tcgagctctc tcaaatccat cagctcgtcc tcacaccgga tccaaatcag atccatcagc 240

gatcttcgat ttctcagctt ttgcagtaga tgaaggattt ggtctaacaa actcaggtgg 300

aaacgccgac gaagacgccg ctttccgatt agtcgacgga aaaccaccgc cgcgtcctaa 360

attcggacct aaatggagat tcaatcaata ccataaccga aatcagcttc ctcaacgtcg 420

tgatgaagaa gttgaancta agaaacgtga agctgagaaa gtngagctcg t 471

<210> 5960
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D12

<400> 5960

acgcgtccgg aaaaattcat tcctctttga atgttgtttt ttattcccgt cgtacagatc 60

aaaaaccaaa cagtccctct cgacctactg gattcgcgtt ttgcttttga tcacatcttc 120

gtcattgagc ttcntcttct tctcgatccc tgttggtttt ggttgttgtt tttgatgaac 180

tgatagtgga gatcagagat ctggaaaaca gagccgtgtg ttactgtttt ggattgatgg 240

aactgaagaa acgttgtgag aaagttaggg aaactgtgaa naaatgaagt tttacatatc 300

ancgacgggg attaagaagg ttacgatatc aaatcccggc gtcggaatcg gtaaaggaag 360

cggaggatgt gcggctgcaa cggcggcgtt agcancgcgg agattctcta atcgcacgtt 420

gttactgttg ctgctgctgc acgcaac 447

<210> 5961
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D2

<400> 5961

acgcgtccgc ccacgcgtcc gattttctct gaaacgtcac gaacgtgtga attgggttaa 60

aaaattcatc tcattgatcn aaacttgaaa ccctaatttc gaatctcttt gctgatttgg 120

tgagatctca atttcggana gaagatgacg aaggatttcg cagttccacc tgtagttttc 180

ccctccggtg gatcttcagg cggtgctaat gtccagcaac gaanattccc agcganaccg 240

tttcaaccgc cgcgtccctc ttcttccgca atccctttca tgtcattcga cattggatcc 300

gcagccgcgt cgtccgctac acctgccgga cattcggcgg gacaatcgcn tcgtcttcnt 360

cttttggtgg aggttcagcn tcgtttgaga anaggnagca ttanccaaca anncgnaanc 420

aancaaattn aatctggann aagacaaant gatccatcct ttt 463

<210> 5962
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D4

<400> 5962

acgcgtccgc ggacgcgtgg gctcagtctc aaagagagtc ttggacaaga agtctccttg 60

taacttcctc gtctttggct taggacacga tagcttgatg tgggcatctc tcaatcacgg 120

tggacgcact ttgttcctcg aggaagatga agcttggatt gagacagtaa ctaagaaatt 180

cccaaacttg gaatcctacc acgtcgtata cgacacaaaa gtgaaagatt ccaacaagct 240

tatggagcta aagagaacag aggattgcaa agccgtgtct gatcctagag attccaaatg 300

tgctctgtct ctcaagggtt ttccagctga cgtgtacgag acgcaatggg atgtgataat 360

gggccatgct cccactgggt taccaacgaa tgaagctcca angggaagga tnaancgcta 420

atttacaact gcccgggttt aattggctcc gttaaccggt taatgaacgg gttggggaaa 480

actgaatgtt tttc 494

<210> 5963
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D6

<400> 5963

acgcgtccgc tcacccttg tgcaagaaac cttgagagct taaaaattct tcacttgggt 60

ctcttctctc tctcttctct tgcgaccatt ccgttcgatc catatatcaa agcttgattt 120

agttggtttt caatggggga cagtcagtac tcgttttctc tcaccacctt cagcccatca 180

gggaagctgg ttcagataga acatgcccta acagctgttg gatcaggcca aacatcactt 240

ggaattaaag cttcaaatgg agttgtcatt gcaactgaaa agaaacttcc ttctatattg 300

gttgatgaag cgtctgttca aaagattcaa catttgactc ccaacattgg aactgtttac 360

agtggtatgg gtcctgattt ccgagttcct gtgcgaaaga gtangaagca agctgagcaa 420

tatctccgtc tgtnacaagg aaccatcccc gttaccaact tgttng 466

<210> 5964
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D7

<400> 5964

acgcgtccgc ncacgcgtcc gcaaaaacac tatggataag acaatgacac tgttcttgct 60

cttgtccact ctcctcctca cgacttcttt agctaaagat ctctgtcata aagatgacaa 120

aactaccctc ctcaagatca agaaatccct aaacaaccct taccacctcg cctcatggga 180

tcccaaaacc gactgttgct cttggtactg cctcnagtgc ggngacgctn ctgtcaacca 240

ccgtgtcact tcnctaatca tacangacgg cgagatntcc ggtcagatcn nccctgaant 300

cngtgactta ccgtatctta catcncttat cttccgcaaa ctcactatcc tcactggtca 360

catcaaaccc actatggcna agctcaanan cctcantttt ctcagattaa nctgggacaa 420

tccgaaccgg tcngggtcct gaatttcnga gtccagctca 460

<210> 5965
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D8

<400> 5965

tgttacgcct ggcggtagcg gtccgnaaat tcncgggtcg acccacgcgt ccgcgtgacg 60

cgtgggaaga aaaccaacaa naatccaact caaaatcnaa gaccgtgaag agcttgaaca 120

atcccgcaaa tctcaaccat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnna tagacccana acacaaaaac ccttcctcca aatccgaccg 240

aatcggtctc tcttaaaaca ctccatggaa gtcgaagtca agctccgtct cctaaccgcc 300

gctgctcatc tccgtctcac cactctcctc actccatacn anctcaannc ccttcacgaa 360

ngcaacacct tcttcgacac acccaaanac gacctctctc tcggccgcgc cgtcctccgt 420

ctncgcttcc ttcaaaacgc cggcggtttc cggcgggttn tccttctcgg ngcgttggta 480

ngtctcgctt aaagcgnagg caaatc 506

<210> 5966
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-D9

<400> 5966

acgcgtccgt ttggaccgaa aaaaaaaaaa aagaattcat ccccaaatct gcacctcctc 60

tcatcttctt catctccttc aatcttcatt atttataacc tagaacgact gaatctttct 120

ctctctttat ctccattttc taggtgtgct tatcanagct agaaagttct tacatttaaa 180

tcgccctagt tggagaaagc cgtcggtttc tcattttgaa atttccaagg agatctgaaa 240

gttttaattt tttggatcga tttcatcgtt atcatactcc gatcatcatt tctgttcaag 300

ggttaatcgt aaatcgttca tcgggttagt taaagaggtt tactgaaagc annatacgtt 360

cttactcgtt gtatggagta agaatgccan agttaagaag gtggagcacg tagattgaga 420

caacctagcc ctcaggtgac nggtcaggcg 450

<210> 5967
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-E10

<400> 5967

acgcgtccgt ctcagtcttt gactcagact cccaccgcgt aattccgagc taggtttcca 60

tttctccggc gaatcggacc tctctctcgc tctctcttcc aatttcccct tttttcgttt 120

cccagcgatg atttgcaagt agcttccgct aataatcgca actctctgac ggatgctatg 180

gcaatgggac ttattcgtct tctttctata gcttttacac ttgttctact ttcaatcctt 240

cctcttcatc tctctctcgc tgatgagata acatctattg aatctgtacc tgaccttcag 300

aagctaatgt atgttgctgt tgatgggttt ccttgtgtac gtcttctcaa tctgtctgga 360

gagattggat gttcaaatcn tgnaataaan aaagtggtgg ctccaatcat aaaattaaan 420

ggacgttaaa gntttggttc agccacaca 449

<210> 5968
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-E11

<400> 5968

ttcccgggtc gacccacgcg tccggaaaac ttcgtctctc ttctctgctt cgccctctca 60

tttcctgtga gataaaggcg gagtctctct ccagttattc tgctcatcca tcgattctta 120

gagttcaaaa tggntgatca agttcagcac cccactattg cgcanaaagc tgccgggcag 180

ttcatgcgtt caagtgtttc caaggacgtt caagtgggtt accatgaggc cttctatgta 240

tcaangacat gcaacctacg gnaactactc caatgcngca tttcaatttc ctccgacatc 300

ccggatgttg gcaacaactg cntctcccgt gtttgtccaa accccaggan agaangggtt 360

cactaanttt gcccttgant ttctgatggg tggngttctg ctgccgtctc atgactgctg 420

ctgctctatt gaangtgtaa agcttttgat caaaaccang a 461

<210> 5969
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-E12

<400> 5969

acgcgtccgc ccacgcgtcc gcggacgcgt gggaaatacc taaatctcaa cttcacggaa 60

caccgataca taaagacaat agagtggtaa taatttgttg agaccaaaag taattaaaca 120

cattacacat ggggaaaaag aacggctctt cttcttggct caccgctgta aagcgagctt 180

tccgatctcc gacgaagaaa gatcatagta atgacgtcga agaagatgaa gaaaanaana 240

gagagaagag acggtggttt anaaaaccgg cgactcaaga atctccggtg aagtcttccg 300

gtatctctcn accancacct caggaagatt cacttaacgt aaactcaaaa ccctctccgg 360

agacagcacc gagttacgca actacgacgc cgccatccat cgccggtaaa ccccngtcgc 420

cgtaatcccc atcgccangt cagatctaaa 450

<210> 5970
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-E2

<400> 5970

acgcgtccgc aacaatttac gcagagtacg aagatgtgga tatgaagcgt gattatgcct 60

ttgttgaatt tagtgatcct cgtgatgctg atgacgcaag atattacttg gatggacggg 120

atttcgatgg aagtcgcatc actgtggagg catcaagagg ggctcctcgt ggttcgcggg 180

acaatggtag cagaggccca cctcctggtt ctggtcgctg ttttaattgt ggtgtcgatg 240

gccactgggc ccgagactgc acagcaggag actggaagaa taaatgttac cgctgtggtg 300

aaagaggaca cattgagaga aactgcaaaa acagtcctag tccaaagaag gccaaggcaa 360

ggtggaagct attcaagtca ccaatcaaat cccgctcccc tcctcgccga aagagccaaa 420

ccgtacctag ttacagtcaa ggtcgcaact acatccattg cgattccaa 469

<210> 5971
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-E3

<400> 5971

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caatcaaaat gtcgacaaac cctaacccat ggtcaccata cgattcatac aatgattgtt 120

ctcaaggaat ctgcaacatc tactgtcctc aatggtgtta nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cgtcagctac tacactctca 300

tctcaaaata ctgtcatcgc caccaccaaa cctcctcttc aaaaactctt aanctaaatc 360

ataacggtga gggtttcctt tcctccangc aaagaatctc cacgaatggn tatggnctca 420

attagtccat gantaaatca atcactggtt aagaan 456

<210> 5972
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-E7

<400> 5972

acgcgtccgg cgggggaatg tacgtctgct gccagagatg cttcttccgt ttcagctgca 60

gcttcagctt cagctggctc tgagatggat gccagagttg aatttgatct aaatgaaggt 120

tttgatggag acgatgcaca acatggggac ncaaataact tctctggatc tgtagttttg 180

acgcctactc ctctacaacc acttaatacc ttacctttc cggtggctcc tgtatctagt 240

ggaattcctg catccattac tgttgctgct gccgtcanag gtccgtttgt tccacctgaa 300

gatctgttga natataaagg ggctgttggn tggagaagat ctgctgccac tantgccttc 360

cgccnngctg agccangana agctcaggat ntgttactga gcattaacaa tactcnacat 420

ctgatgcaac caactcctgc tgggaaaaca na 452

<210> 5973
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-023-Q1-E1-D10

<400> 5973

acgcgtccgg ggtttgatca tctcttcgag gtcggttcta gggtttcact acgagaatgg 60

acggagatga gctcaccgag caggaaactg ctctttatga ccgtcaaatt agggtatggg 120

gagctggtgc tcaaagaaga ttgagtaaat ctcatgtttt ggtatctgga attaagggca 180

ctgttgctga gttttgtaag aacattgtgt tggcaggagt aggtagtgtg actctgttgg 240

atgatcgatt ggttacaacg gaagtcttca acgcaaactt cttgattctt cctgatgaaa 300

atgcttatgt aggcaaaacc gtagctgaga tttgttgtga ttcacttaag gattttaacc 360

ctatggttca tgtttcaata gagaaaggtg atttgtcaac acttggtgtt gatttttcaa 420

aagtttgatg ttgtggttat cggctac 447

<210> 5974
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-B10

<400> 5974

acgcgtccgc ttccttgctc ctctcgcttt tgaatggaga tgtgagcttt cttcattcaa 60

agagcaaaac tatctaattc catggcgttc tccctcctct ctccaattcc tacctctgcc 120

tctctttttt tcactctctc cgccattacc gcttctaata atgcttcctc ctcctctctc 180

tcccgtcttt actctttata tcaccccaaa ggaaccttac gaaccagaac cgcgacctcg 240

tttttcggag cttctgggaa cttgaggatt gtttccatgg cggagaatag gcaattggtt 300

tgtaggattg gtggcggagc cggtgctgaa ttggatgata tggatgaagg tgaaatccag 360

aggattggaa atgaagacga agacgacgat gaattcatac aagtcaatgc taataattcc 420

tctgctgctt cnctg 435

<210> 5975
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-B2

<400> 5975

acgcgtccgg tttcaaatgg agactcatgc cttcaatgca gaagtatgaa gagattaggg 60

aacagcttct tgaaaacccg tttttctgcg atacagcgcg tgagtggaag ccggatattt 120

cttgtgatgt tcctgctgat atctatcaag atggaactcg tctttgggct attgataaac 180

cgaatatctc tcgtccaccc gctggctggc aacgtttact gcggattaga ggtgaaggag 240

gtaccagatt tgctgatgtt tattatgttg ctccgtctgg aaagaagctt cgatcaactg 300

tggaggtcca aaagtacttg aatgacaact ccgaatacat tggagaaggg gtgaaacttt 360

cacagttctc gtttcaaatc cccgaaaacg ctgcaggatg actaacttaa ggaaaccgcc 420

caactccaac tactggattc catcgataat acaaacancc cctgttacta aaga 474

<210> 5976
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-B3

<400> 5976

acgcgtccga cgccattccg gcgcttacga aaacattgtt ggaggatgtt aagaagatat 60

tcaagaccac atcagggaca ccttttctgt ttcccacgac cgggactggt gcttgggaga 120

gtgccttgac caacacgtta tctcctgnag acaggattgt ttcgtttctg antggacaat 180

ttaacttgct ctggattgac cancagaana cgcttaattt cantgttgat gtggttgaga 240

gtgattgggg acaacgtgct aatctccaag tcttggnctc aaagctctca catgacgaga 300

atcataccat caaagccatt tgcattgtcc acaacgagac ngcgacnggn ggttacaaat 360

gacatctctg ctgtccgcan atcctcgatt actanaagca tccnggnttt gctgctaatg 420

gaccgtgttc cgtcancctn ncccccttgan ttcccgaatt gggtgattg 469

<210> 5977
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-B4

<400> 5977

acgcgtccgc ccacgcgtcc gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc 60

acgcgtccgc ccacgcgtcc gccgagctca cgtcatcgct ctcggtgctt tcctctgggc 120

cactgccact ttcctcgtcg ccgtctccac tactttcttc caggtggcag tatcaagagg 180

cttgaacggg atagggctag ccattgtgac acccgcgatt cagtccctag tcgctgactc 240

aactgatgac tataaccgtg ggatggcatt tgggtggtta ngattcacat caaacattgg 300

ttccatactt ggctatgtat gttcatcctc tttgcctcaa aatctttcaa tggtgtcgct 360

tggattggag naatcgcctt ccctttggt aagcaagtcc gttaagccgt gaaaagtagg 420

gcatttttgg gtccggtctc ctncgcaaca 450

<210> 5978
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-B7

<400> 5978

acgcgtccga atcaatcttg agattgtgtc aagaaacctc aagagtgaaa atgagttttt 60

tcagatcaaa gacttcaaaa actgaaacac aacaaccatc atcgtatgga caacaacaag 120

acgctatgta ctcatcttac ggaaccgtga gtgacgaagt gttattacag attcatggat 180

gcagagctca tctcatcaac ggatccgaag ctgtggagct agccgccgga gacttcgagc 240

ttgtacaagt cttagacagc aacgtagcct tagctatggt cgtgaggatc ggaaatgact 300

tacaatggcc ggtgattaaa gacgagccag tggtgaaact tgactctcgt gactacctct 360

tcacgttgcc ggttaaanga tggagagcca cttattacgg catcacgttt ttccctantg 420

atgaaaatga catcgttttt gtgaataagt acgantttgc 460

<210> 5979
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C1

<400> 5979

acgcgtccgg tctccgtctt ctattaccaa gatcgagctt tgttcttcga gcttctcatc 60

tctttgttca atctcaaagg tttttgagta tcagcaaaga tgggtgacaa tcttatggac 120

aaagttaccg catttggtga gcgcctgaag atcggaggtt cggaagtgag caacaagatc 180

agtgctggtg tgagctcaat gagctttaaa gtgaaggaac tttttcaagg tccaaaccca 240

actgataaaa tagtcgaaga tgctactact gagaatctag aggaacctga ctgggatatg 300

aatttggaaa tttgtgatat gataaatcaa gagacaatta atancgttga gttgatccgt 360

ggtataaaga agangattat gatgaagcag ccgaggatca ntaccntgcc ctgggtttgc 420

cccagactgt gttaagaact gtgagaaagg gttttcaaaa ggtgga 466

<210> 5980
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C11

<400> 5980

acgcgtccgc cagaatcagt tggataggaa aatggcggcg aagcaaatgg aagagataca 60

gaagaagcta cggctgctaa gttaccctag ggcaaatgct ccagctcagt ctctcctctt 120

cgccgggatg gaacgttatg ctcttctcga atggctcttt ttcaagttat tangtgataa 180

atcacctttc tcacagcaaa atctccaagg agatgctgga gttcgtgatg aagaaactgt 240

tcgtattcaa tatttggcag agattgcaaa gtttttgggg attacaccaa ctgtagacat 300

tgaagccatt caangacatg gaacctatga agatcggatg gaaatgcttc gcantattgt 360

tgatttagtg gangcgaacc tcttctcaga taatcaagat gggngtattg atgaacaant 420

tgccaaaaga tattcagctc atagatgcaa 450

<210> 5981
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C12

<400> 5981

acgcgtccgc ttcttctctc cggatccaaa aatgaatcgt ctcttttctc tcttctccat 60

agctctgatc gctttcctct gcctccacca tcatgttctc gcttcttcct cttccgactt 120

cgaaggtttc gatgctgaag acgacgatgt ttcagaagat tccactgagc ttcaccactc 180

tctccgtcct cctcttctga ctcagtctga gtcaacggtt ctggatctgg acccatctcc 240

cgattctgat tctactcctg catctaaatc tgatccnccc actcagaccg tgaagccttc 300

gtcctccatc tccttcgatt actgggatga agatgagttc gaaggattgc cggaggacga 360

gaaatctacg gagtctccgg ttttttccga tgacgcctcc tctctgccga tcaaaagacg 420

ccgggatctt gagtcngctt cagaa 445

<210> 5982
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C2

<400> 5982

acgcgtccga taaatctaac ccaaaccctt ctcttcttct tctgccctct tcttcatctc 60

tctttcgctg ctttcactcc aactgataat tatctcatca attccggttc taacaccaat 120

acatctttct tcacaacccg ttcttttctc agcgactctt cagaacctgg ctcgagtttt 180

ctctccaccg atcgatccat ctcgatttct gacacgaacc catctccaga ttcacccgtt 240

ttgtacaaca cagctcgtgt tttccccgtc ggaggatcat acaaattcca agtcactaac 300

aaaggnactc actttaaccg tccccaattc gcgcccttta aaagcctcca agaattaacn 360

taaaggccgg caaaattcca gtttgataat ggggtccccg ggatnacaan ttcaatacaa 420

ctccgtcgtt ggtaaaggaa tcaaactcaa aatcgatgac ccggttt 467

<210> 5983
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C3

<400> 5983

acgcgtccgc tctatcgtcg tcgtatccaa agctcttcaa tggagaccga tctcaagtca 60

acctttctca acgtttattc tgttctcaag tctgaccttc ttcatgaccc ttccttcgaa 120

ttcaccaatg aatctcgtct ctgggttgat cggatgctgg actacaatgt acgtggaggg 180

aaactcaatc ggggtctctc tgttgttgac agtttcaaac ttttgaagca aggcaatgat 240

ttgactgagc aagaggtttt cctctcttgt gctctcggtt ggtgcattga atggctccaa 300

gcttatttcc ttgtgcttga tgatattatg gataactctg tcactcgccg tggtcaacct 360

tgctggttca anagttcctc aaggttgggt aagggttgca atcaatgaag gggaatccta 420

acttncgcaa tcacatccac aagggattcc caaaaagnaa tttccgtgaa aaagcc 476

<210> 5984
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C6

<400> 5984

acgcgtccgc ggacgcgtgg gcggacgcgt gggtttacac acacgcctct catttttttt 60

catttcaatg gcgatgcaat ctctttcccc tgttcctaag cttctctcca caacaccaag 120

ctctgttctt tcttctgaca agaacttctt cttcgtcgat ttcgttggat tatactgtaa 180

gtccaagagg accagacgca gacttcgtgg agacnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cgttatcgac cttgaacgtg ttcatggcgt 300

ctctgaaaag gatctctcct ctccttcagc tttaagacct caggttgcta atttggagga 360

tatattgtct gaaagaggag cttgtggagt tgggttataa caaacttaga taacatacct 420

tcacatggag ttgtcaaaga tgctcctaat gctcctgggt gtatg 465

<210> 5985
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C7

<400> 5985

acgcgtccgt gtgtcttcca tcctaaagat tgtaaaggga aaccgtttc gattttcaga 60

gaagatcaca catctttcgt cccttcactg ccatacgtgt cgataaagat ggcggctatg 120

gcggcgaagc ttcagttatc ggcgaaatct gatcaaagca gtgtgcgatt accgagagtg 180

atcaacctct cccgcgatcc aacgactaga gtctcgtttc cgcgaaatgg atcagtttgt 240

tccctccaca cnaatttctc ttctccacat ctcgcgaaac cttgcgccgg angtggtggt 300

ggtggaatgc accggtaata acggcggcgg aagcggaagc ggnggaggag gtggtggttn 360

tggaggttca nggggtgann cagtgangan ncatcncatg gggacantan ggtatcatcc 420

aaggangata tca 433

<210> 5986
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-C9

<400> 5986

acgcgtccga aagagaggaa tccttctcca gaggaccaag aannnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

ngtctcaacg ttccagttat ggttcggggt cagggtccgg ttcgggctca tgttcangaa 240

accgtctcta cgtgggcaan ctttcttggg gtgttgatga catggcactt gagaacttgt 300

ttaacgagca angacatntn gttgaaatct aaaggtttat ctacgacagg gacaccggta 360

attcaacggg tttntggatt ttgttaacac tttanctcnt tccaaanaag ttcaagaaag 420

gccattaaat tcccttgaat tgggaagcaa aatttggaat n 461

<210> 5987
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H3

<400> 5987

acgcgtccgc ccangcgtcc gccctctttc taaaatctgc ggcacaaagt atatgaatta 60

agaaagcaac atgagtttgt ggtatatcat agttgtgttc gtcttctttg catctatatt 120

cattgcaaag aacacaagaa agacaaagaa gaatctacct cccggaccac caagacttcc 180

tataattggt aacttgcacc aattgggatc aaaacctcac cgttcgatgt tcaaattatc 240

tgaaaaatat ggacctctag tgtacctaaa gcttggaaag gtaccgtctg ttgtggcctc 300

aactccagag acagtgaagg atgtcttgaa aacgtttgac aaagattgtt gttcgcgagc 360

ttttttgaca tatcctgcaa gaatttcata caatttgaaa gatctgcgtt tgctccctat 420

agcaaatatt gggaagnggg tacgaaaaga tgacggttgt cnaac 465

<210> 5988
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H6

<400> 5988

acgcgtccgc ggangcgtgg gcaaagacac tgaataaatc cttaaaacaa acttttgaaa 60

gaaaaaaatg gcttcaaaga actcagcctc tattgctctt ttcttcgccc ttaacatcat 120

attcttcacc ttaaccgctg caacagattg tggttgcaac ccaagtccta agcacaagcc 180

tgtcccaagt cctaaaccca agccggtccc aagtcccaaa cccaagccgg tcccaagtcc 240

ttcagtacca agtccttcgg tcccaagtcc taaccctang ccggtcacgc ctccgagaac 300

ccctggctca tctggaaact gtcctatcga tgctctcaga ctcggtgtat gtgcgaacgt 360

tttaagcagt ctactcaaca ttcaattggg tcagccatca nctcaaccat gttgctcgct 420

catccaaggt tggttaactc gacgctgcca nttgccttgc 460

<210> 5989
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H7

<400> 5989

acgcgtccgc ggangcgtgg gcggacgcgt gggcggacgc gtgggtttca ctgatagtat 60

tctcagctct tgcaccgccg atgaacggat catggtgttt acgatgactg ggaaagaaca 120

aattgacccg gctatgcttc gaccgggtcg ggtcgacgta cacattcatt ttcccttatg 180

tgatttcacg gcgtttaaaa cgctcgctaa taactactta ggtgttaaag agcacaagct 240

tttctctcaa gttgaaggaa tatttcaaaa cggtgcgtcn ttgagtcccg ccgagatcng 300

agagttgatg atcgcgaatc gtaactcgcc gactcgtgca ttgaagcatg tcatcaatgc 360

tttgcagact gatggtgatc ggagaggaac tggacgacgt ttgcttttan aaaaatggtc 420

gagaaagtcg actcggagga ntttctgatg atataa 456

<210> 5990
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H8

<400> 5990

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aagatctctc tcatggcgat gtctttctca ggagctgttc tcactggtat ggcttcttct 120

ttccacagcg gagccaagca gagcagcttc ggcgctgtca gagtcggcca gaaaactcag 180

ttcgtcgtcg tttctcaacg caagaagtcg ttgatctacg ccgctaaagg tgacggcaac 240

atcctcgatg acctcaacga ggccacaaag aaagcttcag atttcgtgac ggataaaaca 300

aaagaggcat tagcagatgg tgagaaagcg aaagactacg ttgttgaaaa aaacagtgaa 360

accgcagata cattgggtaa agaagctgag aaagctgcgg cgtatgtgga ggagaaagga 420

aaagaaaccg caaacaaagn ggnanaattc gcggagggta aaaca 465

<210> 5991
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H9

<400> 5991

acgcgtccgc ctcaaccggn cagagaggac tcgcctcttc tcggcaaggg acctcccctc 60

tccagccagt ttaagacctt cgccaacgtc ttcatcgctg tcgtcggcgc tggtgttctt 120

ggtcttcctt acgccttcaa gcgaaccgga tggctcatgg gtgtcctcct cctcgtctcc 180

gtctctgttt tgacccatca ctgtatgatg cttcttgtct atacccgccg caagctcgac 240

tctttcaatg ctggnatctc caagatnggn tcctttgggg accttggatt ccccgttcgg 300

cggtncctng ggaaggttgt ncttnaccta attaacnatc cgtnncaaac tgggttttgt 360

gtccgataac ctaaccntca tcggnactac tttagctaat cnanccgatt ctgaatcgnc 420

caacantctg aaggatcaat ttacaaaggn tggggttt 458

<210> 5992
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A1

<400> 5992

acgcgtccgc ccacgcgtcc gcttctatcg tgcgcacctc tctctcttaa tcctttatcc 60

tgcgcaccan nancaccatc ttcntctccg gcgaaaacaa acccaccgcc atggggaaag 120

gtcgtgcact ttccgacgga gtgatcaaaa agatcatcct ttcatacacc tatgtngcaa 180

tctggatctt cctcagcttc acagtcatcg tctanaanaa atacatcctc gacaagaaga 240

tgtataattg gccattccca ataactctca ccatgatcca catgggtttt tgctcntcct 300

tanctgtgat tctcatcaaa gtcttnanag tcgtcgagcc tgtttcaatg tcacgccaga 360

cntatcgcat attngtcgtn caaatcggng cgttgtagtc aatttctctc tgggttatca 420

aactcggcnt acatctagct ccccnggttc ccttcatcaa at 462

<210> 5993
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A10

<400> 5993

acgcgtccgg aacaccgtgg ctttccctat ggttctcaaa gccgccttcg agcttggcgt 60

catcgacacc atcgctgctg caggaaacga cacgtggctc tcaccgtgtg agatagcgtg 120

tagtctccca accaaaccca ccaacccgga ggcgccggtg ttgcttgacc ggatgctgag 180

cttacttgtc agccactcga tcttgaagtg ccgtatgatt gaaaccggag agaacggtcg 240

aaccggaaag atcgagaggg tatatgcagc cgaaccggtt tgcaagtatt ttttgagaga 300

tagtgatggt acaggatntc tcgtgcctcn gtncatgttg ctcataacca agtgttttca 360

ngacttggnc aaaccttaaa gatttgtccc aanaaggaag a 401

<210> 5994
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A12

<400> 5994

acncgtccgc ccacgcgtcc gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nntccttcaa tggaaacagc aacatcgaca acctcctaat 120

ccaaacccta cttggacgtc tccaaattcg tccccctaac tctcatttcc tctctcaatc 180

cctagacgac ctcctcttca aatccgacga cagcgacggc gatgatgacg gagaaggtca 240

gaccagtctc gacagagaag aagctaggct tgagaaagag ctaatccgag tcatcgtctc 300

tggtcgaagc gattctctca agccgaattc aggtcaagcc gtgacagtca acgancacca 360

catctgcgtt gggtttcatg angatgagga atcggattat cgtgtttggg agtggcatgg 420

tcatatcatg ttggtttgat gaagana 447

<210> 5995
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A2

<400> 5995

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cattggtcgt ggcctcgttg gggaagaagt agtcaaagtc acccgcatcg attgggacac 120

gttcttcttc atcaacctaa tcgaatcttt tatcctctct tcgatcccaa catcgataaa 180

ttattattac catttgcggc gttgttgagt gatctccgcg actatggaga gatcagcgtc 240

ggtgggtgtt aacgacggcc gttttggtgg caaccaattc caatccgcaa ccttcctcct 300

cctcctcctt ccttcttcct tccaatggag acatgttaaa ttacaagttg tgggatctgt 360

gggtatgaac taaanctgga gctccacgaa tccgaatcac atcngacaat cgggtnaaaa 420

gttacgggta aaatccaatg aaagaatggg gatnatancc ttccttcaaa catccgacga 480

agggaaagat tcant 495

<210> 5996
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A3

<400> 5996

acgcgtccga ttctctctct ctgttttcct tgttctccaa gccagatctc tctccataaa 60

tctctcttca tctctctctt tccaccaaac atccgcgatc ctcgattctc aattccgtgt 120

ctgttttttt tcttcactta gcgatggcga tgatagagca aaggccgaag acgaagatcg 180

tttgtactct aggtccagct tccagatctg ttccgatggt cgagaagctt cttagggctg 240

gtatgaacgt tgctcgtttc aatttctctc atggatctca tgaataccat caagagactc 300

tcgataatct tcatcaagct atgcttaaca ctgggattct ctgtgccgtc atgctcgaca 360

acaaagggcc aagaaatccc gaaacgggtt cntggaaaga tggggaaaac aatccaactg 420

aaacaaggac aaagagatna ctatttcgac ngactatgac ttgaagggt 469

<210> 5997
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A6

<400> 5997

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ttgaattcaa aaggaacaaa gaaagattta cgttccttaa gtggggttca acagccttcc 120

aaaacatgct ggtcgttcct cctgggtctg ggattgtcca tcaggtcaac ttggaatacc 180

ttggacgtgt tgttttcaac tcgaaaggat ttctctaccc tgatagcgtt gttggaaccg 240

actcccacac aaccatgatt gatggattag gagtcgctgg gtggggtgtt ggaggaattg 300

aggcanaggc agcaatgctt ggtcagccca tgagcatggt gttacctggc gtggncgggt 360

taagttggat ggaaagtttn aaggaagggg ttacggctac tgatttaatt ctcactgtga 420

nccaaatatt gangaagcat ggtgttgtcc gggaagtttg ttgaaattt 469

<210> 5998
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-A7

<400> 5998

acgcgtccgg gatctgcagc aattggactc agatctcgtt ctcatgtcgt tctcgcttgt 60

gttaacaaag ctcaatcgga gctttcttcg catcagagga agatctttaa agtcgatgac 120

catatcggtg ttgcaatcgc tggtctcaca gccgacggtc gtgtattgtc tcggtatatg 180

agatcggaat cgattaatca ctcttttact tatgagtctc ctcttcctgt tggtcgtctc 240

gttgttcatc ttgctgataa agctcaggtc tgtacccaac gatcatggaa acgaccctat 300

ggtgttggtt tgctggtang tggattggat gagtctggag cccaacttta ctacaactgt 360

cccaacggaa actacttcga gtancaagct tttgctattg gattccgttc ccaagcagca 420

aagactaacc ggaacgcan 439

<210> 5999
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H2

<400> 5999

nccggaatca agggtcgacc cacgcgtccg cgaaaatgaa gttttggggc tggatgcatc 60

ataagttccg ggagaatagc aaagagccat taaaagatgc ttctactggc aacagctatt 120

ccattctttc agctcatcca tcccttgata gccaagaggt ttacccaaca gcatgtgctg 180

gctccagata caatactgga ttcagaaaac aggtcaacct gttccaggaa agctccttcg 240

caggacccaa gcaatacaca gaggaagact tcaaggatga gagaaacagt gatttttttg 300

atggatttct tgccattgga acccttggtg gagaaacact tcttgatgaa caaccaagca 360

acgccgacat ttggcatgtc atttgaggac ccagcaatag atgatgcaag atgtgacaag 420

agaatgattt gaagctcata agcaatgaat tgggtaagtt cccttgaggc tgaagctaaa 480

agaaagnc 488

<210> 6000
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G2

<400> 6000

gaantggttt gttggccctg ccggtccgga antcaagggt cgacccacgc gtccgctcnc 60

tctctcttgg aaaagtcaaa atcaagggtt tcgtcgtcgc tttgactggc ttggactcgc 120

ttgctgattg agaagcgaaa aatgcttgaa tcaggaattt gcaagtatgc gtgaacaaag 180

gagcaagaaa caatgatcta aagaagatga agttccactt actgttagag agacgtttcc 240

taagatggtg atggaagaaa gatcttgtca tactgctaac agagttgggg atgtccaaat 300

gggtaatggt cataagcgtg gnaagaagcg aaagattcat ccagcaacaa tgttagtata 360

agtgtggaga ctgataaaca ngatatgttg tcaaacaaag cccaaaagaa gtgggtcctt 420

ggaaaatgtg tcaatccttc aactgtggat gccccatgtt tcaaagaaat gatgactggn 480

naatggtggt caaatggggc ttgaaaaccc gaatgtc 517

<210> 6001
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G3

<400> 6001

gaactggttt gttggcccgc cggtccggaa tcangggtcg acccacgcgt ccgcccangc 60

gtccgcaagg agggcattta ccagattatg ctccacaccc tgctattgtc ttgaaaatgg 120

aagatggaac tggtcttctc cttccgatta tcgtcttgga gatgcctagt gtgttactta 180

tggcagcaat gaccaatgtc caaattgcaa gaccaaccat gtatcaagtg gtgaaggaaa 240

tggtggacaa gatgggttac gaagttagac ttgttagagt caccaaaaga gttcacgagg 300

catattttgc ccagttattc ctttcaaagg tgggtaatgc ctcggagtgt gtcagctttg 360

atcttangcc ttcagatgca atcaatatag ctgttagatg caagatacct atccaagtga 420

acaagtacct tgcatatagt gatggaatga gagtcattga gtcanggaag atatcaacaa 480

cgggcaccaa nttcaaatgg ntaataattt act 513

<210> 6002
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G5

<400> 6002

acgcgtccgg ttcaaaacaa gttcattcga tctatagaga cgaaacaaaa agagagatcg 60

tacgcaaaag tttccgatat ggctcgctcg tttggagcta acagtaccgt tgtgttggcg 120

atcatcttct tcggatgttt atttgcgttg tcctctgcaa tagaagaggc tacgaagtta 180

ggatcagtga tagggataga tcttggtact acttactctt gtgttggtgt ttacaagaat 240

ggtcatgtcg aaattattgc caatgaccaa ggaaaccgta ttacaccttc atgggttggt 300

tttactgact ctgaaagact cattggtgan gctgctaaga atcaagcagc tgttaatcca 360

nagangactg tcttcgacgt taagagattg atcgggcgaa aatttgacgg ataaaggagg 420

tcaaaangnt aaggaaactt gtaccttaca gattgtgaca aggat 465

<210> 6003
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G6

<400> 6003

acgcgtccgc caancgggcc gccctttct accgccggct aaatttgacg gtcacatata 60

gagccccaaa aactctccac catgtccact cttcctttcg cgccttctgt cacccatgcg 120

cactttagcc actccctctc ccccatgttt atcctgcgcc atctccctct tacacgccat 180

ctccgtttat cccgaaataa ccgcgtcnct tcngttgtat ccgccgccgc cgttcgccag 240

gacgcttccc tctgngactc canctcntct ctctctaatc gaatcaagct gcaagaatcc 300

gcttttccaa caatctcaat cggacatttn aaacgctccg gatntcgtag cttcgtanac 360

ganaaccggt cagtaactcc aagattcgtg gtcccngatg ttgaagaaac cctcctttaa 420

gggaaanggt ttctctncnt tcttggcgtc ctccccgtgg gggcttccgn aattcttg 478

<210> 6004
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H12

<400> 6004

ccttgccggc cctaccggaa cgganatctc ggntcgaccc ncngctgaaa cttcatctct 60

gccgtcttaa gaagattttg ccagtgcggg aagcggcgga gattgagaga ttagcgacga 120

tggaggaaag caaacagaac tatgacctga cgccactaat agcgcctaac ctggacagac 180

acttggtgtt tcctatattc gagttccttc aagagcgtca gctttaccct gatgagcaga 240

tcctgaagtc taaaatccag cttttgaacc agacgaacat ggttgattac gccatggata 300

ttcacaagag tctctaccac actgaagacg ctcctcaaga aatggtggag agaagaacag 360

aggttgtcgc tangctcaaa tctttgggag gangctgctg caccactccg tgtcntttct 420

tttgaaccct aacgctgtgc aaggagctaa gaactgacaa gcaatacaat ctccaaatgc 480

tccaagggaa cgctancaaa attggtccaa gaccaa 516

<210> 6005
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H3

<400> 6005

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cctcgtgttc ttgattgctt acctcaaagg attgatcaca aaagcctttt gcttgctctt 120

caaatggcgg ctgaagccga taatccgtat ttccgacttg gatacaacag tctaggcgct 180

ttcgctacca ttaaccatct tcactttcag gcttactatt tggcaatgca attcccgata 240

gagaaagctt cttccttgaa gatcactacc accaataatg gcgtcaaaat ctctaaactc 300

ttgaattacc ctgtgagagg tcttctagtt gaaggtggaa acaccattaa agatctcgca 360

gatactgtat caaacgcatc cgtttgtcct cagaacaaca acattccttt caacaatccc 420

anctctgact cctggnaaac gaatcctccc tctcctcaat ggttacgca 469

<210> 6006
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H5

<400> 6006

acgcgtccgc ccangcgtcc ggttaggttt ggtgatgaga atgagcgatc aagagctatg 60

acagaaatga atggtgcttt ctgttcaagc aggcaaatgc gtgttggtat cgcaaccccg 120

aaaagggctg ctgcttacgg ccaacaaaat ggttcacaag ctcttacact tgctggtgga 180

catggaggga atggttcaat gtctgatgga gaatcaaata actcaacaat atttgttggc 240

ggtcttgatg ctgatgttac tgaagaagac ctcatgcaac ctttttccga ttttggggag 300

gttgtttcag tgaagatccc agtagggaaa ggatgtggct ttgtccaatt tgccaacang 360

caaagtgctg aangaaagca tccggaactt gaaccggaca gtcattggga agaacactgg 420

tcccgccttt catggggaaa aaancccaac aaacagtggg gaaatnac 468

<210> 6007
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H6

<400> 6007

acgcgtccgc ccangcgtcc gctgaacttt cgtctctata aacccttttcg acgacgagtg 60

aagaagaaag cgagacgaag aagcaaagat gttcaagaaa ccaatacgac acagatgtta 120

cgacatggag tccaacaggt cgtttattcc aagtggaata cgccatggaa gcagtgaagc 180

aaggatctgc agcaattgga ctcagatctc gttctcatgt cgttctcgct tgtgttaaca 240

aagctcaatc ggagctttct tcgcatcaga ggaagatctt taaagtcgat gaccatatcg 300

gtgttgcaat cgctggtctc acagccgacg gtcgtgtatt gtctcggtat atgagatcgg 360

aatcgattaa tcactctttt acttatgagt ctcctcttcc tgttggtcgt ctcgttgttc 420

atcctgctgg ataaaagctc aaggtctgtn nccaacggat tatgggaaac gaa 473

<210> 6008
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H7

<400> 6008

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agcttacata gcacctgaag ttctttcacg gagagaatat gatggcaagc acgcggatgt 180

gtggtcatgt ggagtaaccc tttatgtgat gctggtggga gcttacccgt ttgaggaccc 240

taatgatcca aaaaacttca ggaaaacaat ccagcgcata atggctgtac aatacaagat 300

cccggactat gttcacatat ctcaggaatg caaacatctt ctctctcgca tattccgtca 360

ctaactctgc taaagagaat cacacttaan ggagatnaaa gaatcatccg ttggtactga 420

agaanttgcc aaaagaactg ctaaatccgc tcaagcggcg tatacaaa 468

<210> 6009
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-H8

<400> 6009

acgcgtccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnac cattgcttag aactctcttc caattgttcc tccattttcg cttcttccaa 120

atccantccn cgtttctctc cttccaagct ctcctattcc actttcttct ctcgctctgc 180

catctattac agatcaaaac caaaacaagc ctcgtcttct tcttccttct ccactttccc 240

cccatgtctc antcggaaaa gctccctcac gcatgttctc aaacccgtct cagagctcgc 300

cgacaccact accaagcctt tttctcgngg agatcgtcgg naagagaacc gatctganna 360

agattangat tctcggggct ggtccgattg tcattggggc aangcttgtg gagtttgant 420

actccgggac tcangggtgg tnaagcctta ggagaaagag ggntatgagg 470

<210> 6010
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-A3

<400> 6010

gtccgcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

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catcggngga agtagtggcg tcggcggcgg atttgctgac catcacaggt tagacgactc 180

gactagacct atgatcgatc ctagccctat tcttaagtac tagccctagc cctgcatcga 240

cttcttccgt ctcttcctct ggttttggta acgcttccac gacaatgccg agactggata 300

catttgagcc tgttggccgt gatctgacgg ctgttgatgg tgttgatttc aatttgatgg 360

aggaggagta ccaaagtcca gttaggctat gggcgattaa gcgtctcctg atcctgattc 420

cgagagagaa tgcanataca gctcagcttg atgccgctaa gagg 464

<210> 6011
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-A9

<400> 6011

acgcgtcang aaaaagttcc cgacacttgt gagagactat aaaagtatac gatctcctcc 60

tctcgctctc ttcagatcac aaagttttcg tttttagggt tctctcatcg atctcggttt 120

gtgatcttct tcttcatcaa tggcgtctag tgataaacaa acaagcccaa agcctcctcc 180

ttcaccgtct cctctccgta attccaagtt ttgtcagtca aatatgagga ttttgatctc 240

aggaggagct ggattcattg gttctcacct tgttgataag ctgatggaaa acgaaaagaa 300

tgaggtgatt gttgctgata actatttcac tggttcaaag gacaacctta agaagtggat 360

tggtcatcca agatttgagc ttatccgtca cgatgtcacg gagccacttt tgatcgangt 420

tgatcagatt taccatcttg catgtcctgc ttctcctaac ct 462

<210> 6012
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-B11

<400> 6012

gganaatccg gctcgaccca cgcgtcnngc aaatttattt atcttggtca agagacattg 60

attctcttaa atttctgcaa aattaagctc agagattcac accgcatctg aaattgtgct 120

cagaggggtt ccaaatatta ccagtcgtta ggaagcaatc acgagttgtt ttaggaatta 180

gtgaacgtga taatggctag caatgagatg gaaaaatcga gtaaagagaa ggaacctaaa 240

acacctcctc cttcttctac tgcccctccc tcttcacagg aaccttcatc ggctgtgagt 300

gctggcatgg ctactccaga ttggtctggt tttcaggcat attctcctat gccgccgcct 360

catggttatg tggcatctag tccccaacct caaccttata tgtggggagt tcagcatatg 420

atgcctcctt atggaactcc gcctcatcct tatgttgcaa tgtatccccc aagtggcatg 480

tn 482

<210> 6013
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G10

<400> 6013

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tcaatggaga acataaccgc gcagctcaaa cgaggtatct caagacaatt ctcaactggt 180

tcgattcgtc gaacattgag ccgacagttc acgcgtcagt catctcttga ccctcgtagg 240

accaacatga ggtttagttt cggtcgtcag tcttctctcg atccgatcag gaggagtcct 300

gattcttcca agagtgatga cgagccacat atgtcggtac cggagaatct cgattcgacg 360

atgcagcttc tctttatggc tagcaaaggt gatgtcagag gaatcgagga gcttcttgac 420

gaaggaattg atgttaatag catcgatctt gatggccgga cggngcttca catcgccgct 480

tgtgaaggac atcntggtgt 500

<210> 6014
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-D1

<400> 6014

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cgccgagttt tccctcagga gttctccatg agagcaacat gggaagtgat cttgtcattg 120

gttttcttga ctcaggagta tggccagagt ctccggctta taatgacgaa gggcttgaac 180

caataccgaa acattggaaa gggaagtgtg tagccggaga ggattttgac ccagcaaagc 240

attgcaacaa gaagttagta ggagcaaagt acttcactga tggctttgat gagaacaatt 300

ctggaatcag cgaggaggac tttatgtccc ctagaggtta tagaggacat gggacgatgg 360

tctcttcaat tgcagcctct tcatttgtgc ctaacgtgtc atatggtggc cttgcacctg 420

gtgtcatgan anggcgctgc tccaaangcc ctaa 454

<210> 6015
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-D10

<400> 6015

tggccctncc cgtccggaaa tcnagggtcg acccacgcgt ccgttcaatt ctcgtttgga 60

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cttcgagacc tgaaatttcg ttattacttc gattcctttt cacttccagt ttaatctctc 180

caccgttcct ctccggcgac actccgatga cttaccgaat cgcccaaggg atttagtccg 240

ccacgatatg aaaggaggat gaagaggaca agtggatata tataagggtg tgaaaacgac 300

gccggatttg cgaatcgttt cggatggaca tttttgttta cttctctcct tctctggcca 360

ctcttcctcc ttctgctgga ccaatactgc tcatanggat gatggcgtta aaagagatga 420

atcgcgattt gtgtattgct gaggatttat gcgcagaagt gtttatggaa acntgaaggt 480

atggggactt catcacagaa 500

<210> 6016
<211> 519
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-D4

<400> 6016

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cccaagcgtc cgaaaccctc attccaaaaa atggggtctc gctctcaaaa cctctccttt 120

ctcgtcctcc tcctccttgg cttcgttgcc gtctcctatg cttgcgactg tacccctcct 180

aaaccatcac cagcacctca caaaccacca aaacatccag tcaaaccgcc taaacctcct 240

gccgtcaaac cacctaaacc accggcagta aaaccaccta ctccaaaacc tcacaccgtg 300

aaacctcatc ctaaaccacc aancgtcaaa ccccatccta aancaccaaa cgttaaaccc 360

caacctaagc canccancgt naaaccancc caacctaaac caaccaacaa anctnaaccc 420

caaccaaaac ctcccatcgt naangcanca accaagnctc ctccgttcaa ccctaaanct 480

tccaanaaaa cttccccgtt caaaacgtaa acnttccaa 519

<210> 6017
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-D5

<400> 6017

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tctatctatc tctcaatctg taagaagaag attcccactt cagtaaaagc cctaacttta 120

cttgggaaag ttcttcatct atcatccttc aatcgtcatc atccatggct gatcaacaaa 180

ccctagattc ctctactcct cctcctactc aatccgatga tctatctcac tcccactcta 240

cttcctctac tacttcagct tcttcttcct cagatccatc actcttgagg tctctctcct 300

taagtcgact caacgccgga gctcctgagt tcgttcctgg tcgaactact cctccgctgc 360

ctcaacctcc gaggatgatt atcccgcctc ctccgccgca cggtatgctt catatgtatc 420

accaccagnc tcctttcaat actccagttc ntggtcctgt tcca 464

<210> 6018

<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-E3

<400> 6018

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gcttgaaatc gatggaaagc aatcgaaccc gaaattctct catttctcaa tcaaaactat 120

cttctttcac ttctgggcaa gaagctctgt tgtggaacat cggaaatcag aactgaaaca 180

gaaacagaaa ccatggagaa gagagaagac gaacaacaaa agcgcgacga ttctagattc 240

aatcaaacac tcaagaacgt ccaagggttt cttaaaggta gaagtattcc tggtaaggta 300

ttgttgacta ggagatcaga tcctcctcca tacccaatct ctccaacata tcaacggagc 360

ttatctgaga atgacgccgg aagaaatgag ctattcgaaa gtcctgttga ngtggaggat 420

cacaattcaa gcaagaaaca tgataataca tatgctgggt aagctacgat naaactctag 480

tgctgaaagg agtgtgaaaa gaagttcaaa a 511

<210> 6019
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-E5

<400> 6019

acgcgtccgc ccaagcgtcc gcgccactct ctctccccca tcaccaccaa cctccgtcaa 60

aaccctaaac cactatctct ctctctctct tcatatcgca acaatggagt ccgtcgctct 120

atctcgcata ggtctcgccg gtctcgcagt catgggacaa aacctcgcct taaacatcgc 180

cgataaagga ttcccaatct ccgtctacaa tcgaaccact tccaaagtcg acgaaacctt 240

agatcgtgcc tccaacgaag gaaaactccc agtcgctggt caatactcgc ctcgcgattt 300

cgttctctcg atccaacggc ctagatccgt tatcatcctt gtcaaagccg gtgctcccgt 360

tgancaaacc atctctgctc tctctgaata catgggagcc tggtgattgt atcatcgacg 420

gtggaaatga gtggtatcag nacacagagc gacgaatcgt tgaagct 467

<210> 6020
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-E6

<400> 6020

acgcgtccgc ggacgcgtgg ggcgatttgc tctgttttca tggcgggcgc ctcatcaccg 60

gcgagtttga gagcttctcg tagccgtcgg ctggggaagg agacgaatcg atccgatcta 120

ttcaaaaaac ctgcagttcc attcgcattc gcgctaattc ttgctgatgc aatcctagtc 180

gcacttatta tcgcctatgt tccatacacg aagatcgatt gggatgctta catgtcacag 240

gttagtgggt ttctcggggg agagagagac tatgggaact tgaaaggcga tacagggcca 300

ttggtttatc caacaggttt cctctatgtt tactctgcag tgcagaactt aactggaggg 360

gaaagtctaa cctgctcaaa ttccttttgg tgttctctac attgtcaatc cggggatcgt 420

cntgatcatc ctacgtgaag actgatgtng ggccatggtg gggaat 466

<210> 6021
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-021-Q2-E1-E7

<400> 6021

acgcgtccgc ggaagcgtgg gcggacgcgt gggcaaaatc ctagatttct cttcatgggt 60

ttccgacaat gtctacagaa tcgtaatcat cttcctctac aacaccaccg acactgcttc 120

tctcctctgt ttccaatccc aatcaactca atctcttcaa tctctcactc gccctcaaat 180

caactggaac tcgatccaaa tcgtctccga caaaacctca ccttacgcta gtttccgtac 240

agagaaatgg atcgttgtgt cggtgacaaa gcacccaaca gaggagctca aaggtttggt 300

caagattaaa ggatggcaag ttctagcgat cggaaactct ttaacaccta aagattggaa 360

tctcaaaggt gcgatttttc tatctctaga tgctcaagct gagcttaatt accggatttt 420

ggatcatttg ccttaagatt ccttcgtacg caaaaatgtc ggtta 465

<210> 6022
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-E8

<400> 6022

tggttcgccg cctacggaag gaatccgggn cgacccacgc gtcancggac gcgtgggtgt 60

aacattacca aaacgaaacc ttccttgtgg attcccactt ctttcttctg ttttcttcgt 120

cctcttcttt aaattggatg ttttgggcaa caaacagaga gaaanacgtt aatttgagag 180

tttgtcattg aatatttggt ttgcaatgga aaganatttt ctgggtttga gcgacangca 240

ttatcnaagt aataacntta agcatgaggt taacgatgan gctgtcnaan aacnagggtt 300

aagtacgaag gcagctacag aatgggggaa gtcannggtt tttgctactt caagtttcat 360

gccttcttca gatttccaag gaggctaaag cgtttccggg gtgcanacca gtggggatca 420

gtttctgcgg ncaatgtttt cccgcagatg ccaanttggn gggtgggttt caagaacggn 480

gacgccgctt taccaanggg gggca 505

<210> 6023
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-F10

<400> 6023

cttagcnctg ccgtccggac atcaagggtc gacccacgcg tccgcggaag cgtgggcgga 60

cgcgtgggca ttatttttcac tgagcgcata acatttttga gacaagagan nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc ggcgatggtt gttgctatgg accaacgcac 180

caatgtgaac ggagatcccg gcgccggaga ccggaagaaa gaagaaaggt ttgatccgag 240

tgcacaacca ccgttcaaga tcggagatat aagggcggcg attcctaagc actgttgggt 300

taagagtcct ttgagatcaa tgagttacgt cgtcagagac attatcgccg tcgcggcttt 360

ggccatcgct gccgtgtatg ttgatagctg gttcctttgg cctctttatt gggccgccca 420

aggaacactt ttctgggcca tctttgttct cgggcacgac tgtggacatg ggaagtttct 480

caagacattc ctctactgaa taatgtggg 509

<210> 6024
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-F4

<400> 6024

gaagtggttt gttggncctg ccggtccgga natcaagggt cgacccacnc gtccgcccac 60

gcgtccgccc acgcgtccgg gctaagcgag acacacacac acgcgcagtc ttcttcatct 120

tgcttgcttc tggttgctta accaaaacac catggaatct ccctaaattt cctcacctac 180

tcacttccaa tttcaacctg ctcgattctt cccctcttct tcgcaaaagc cctagttttg 240

atcatcgcac ttcactctcc tccgcatgag aaatcgagaa atccgctcga cgtagtagat 300

agataaaacc acaaagttag ggttttttca attgggtatg gnaactcgtg ttgggaaaaa 360

agtttngcct tggncgnaaa attgggaacg gntncttcgg ggaaanttaa ctcggnaatg 420

aagttcaaac taacgaagna antgccaatt agccttgaaa tgttaanaac tggcgcaatc 480

ngcaatt 487

<210> 6025
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-F5

<400> 6025

ttggtttggc cgccctaccg gtaagganat cccgggncga cccacgcgtc cgnccaagcg 60

tccgcccacg cgtccgccca cgcgtccgga cgtgacggtg gcgtctgttg agactcaggt 120

tggcgttgat gcttgtcatg gcatcaagat ggtcgctgat actcttctcn ctgatattac 180

cgactctgtt ttcgacctta ttgtgctccc cggagggctt cccggtggcg agactcttaa 240

aaactgtaaa tctttagaga acatggtcaa gaaacaagac tctgatggcc gacttaacgc 300

agctatatgt tgtgctcctg ccttggctct tggtacttgg ggtctactan aaggcaataa 360

agcaacgggt taccctgttt ttatggacaa acttgcggct acttgtgcaa ctgctgttga 420

gtcaagaagt gcaaattgat ggaanaatag tgancaatcg tggaccaagg aancaccatt 480

gaattc 486

<210> 6026
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-021-Q2-E1-F7

<400> 6026

acgcgtccgg aacagtcagc atcgttttgc ttgcttgtgc gtttctctcg aactctctcc 60

atggctgttg cgctccaatt cagccgatta tgcgttcgac cggatacttt cgtgcgggag 120

aatcatctct ctggatccgg atctctccgc cgccggaaag ctttatcagt ccggtgctcg 180

tctggcgatg agaacgctcc ttcgccatcg gtggtgatgg actccgattt cgacgccaag 240

gtgttccgta agaacttgac gagaagcgat aattacaatc gtaaagggtt cggtcataag 300

gaggagacac tcaagctcat gaatcgagag tacaccagtg atatattgga gacactgaaa 360

acaaatgggt atacttattc ttggggagat gttactgtga aactcgctaa agcatatggt 420

ttttgctggg gtgttgagcg tgctgttcag attgcatatg aaac 464

<210> 6027
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-C9

<400> 6027

gaatggtttg cttggccctg cccgtccgga aatccaangg tcgacccacg cgtccggatc 60

aagctcatca ggagatggag ctcatttcta ctgtccgcaa tccatttgtt gtcgagtaca 120

aagattcatg ggttgaaaag ggttgctatg tgtgcattgt tattggatat tgccaaggcg 180

gggacatgac agataccatc aaaagagcat gtggtgttca ttttcctgag gagaaattat 240

gccaatggct tgtccaacta ttaatggccc tcgattatct tcactccaac catattcttc 300

accgcgatgt caagtgttct aacatattct tgacaaaaga gcaagacata cggcttggtg 360

actttggact cgctaagatt ctaacttctg atgaccttac atcctctgtt gttggaactc 420

caagctacat gtgtcctgag cttcttgctg acatacctta cggatnaaag tcagacattt 480

ggtcgttggg atgctgcatg tatgaaatgg ctgc 514

<210> 6028
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-H12

<400> 6028

acgcgtccgc cnacgcgtcc gcggacgcgt gggatgatga tatcatattt ccttgtcaca 60

cggtagattt tgcattcaac gtttgggaaa gtgctccgga tacaatggtg gggtttgtgc 120

cccgtgtgca ttggcctgaa aaatcgaatg ataaagccaa ttactacacc tacagtggat 180

ggtggtctgt ttggtggagt ggtacatata gcatggtact ctcaaaggca accttcttcc 240

acaaaaaaat acctcaacct ttacacaaat agcaagccaa catcaatcan ggaattcaca 300

acaaagaaca aggaactggt aaagatattg caatgtcaat cctcaatccg caaatgctac 360

aaacgctcct ggctataatg gtttaaaggg taaatatatg aaatccggtt caactgggaa 420

tantancata ggagggcaca cagaaaaaag acacactgcg tt 462

<210> 6029
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-H6

<400> 6029

ttcgcctggn ttagcctggc cnaacggtnc ganactccgg gtcnacccac gcgtccgagc 60

ctttataact ctttctgggg ttttttaattc tctcaacgaa caaaaaaaaa aactcaacta 120

atattctcca tcctctttct tcagatttaa gagaaacctt atcgttatat tctctcttct 180

cttttctttt tgactcccac aagaagaaag caaatttctt tttctcagga ttgcttgaaa 240

actgtagaaa tctttaaggt ttttttacac caatannnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn tctattcata aaaaagacag gtaatctcaa ctccgnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntggttgct 420

tttttatcag cttgggcctt gggaaaactt tggcatcctc aagtttcctn ctctacgctc 480

caattanctg g 491

<210> 6030
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-H8

<400> 6030

acgcgtccgc ccacgcgtcc gaaaaccttg tgagactgac ccctcttcag agcaacgcta 60

cgggggagag ttctatgtac caagagacga ggagttctct acagccaagg gcacttcatt 120

cacaggcaag gccgtactgg cagctcttcc ctccatcttc cctcagatcg agtctgttct 180

attgagtccc caagaacctt ttccacactt caaggccata caaaatctct ttgaagaagg 240

attcagcttc ccaangatgc tggcctctta cctctgctcc ccanaatcat caaagctctt 300

ggcgaagctc aagatgatat tctccagttt gatgcccaag ttctcaataa caaggataga 360

atttcaaggg ttacgagacg aacgaagttt gctccgccaa gacacttgcc nggccttaaa 420

cccttatagc attcanctag t 441

<210> 6031
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-H9

<400> 6031

acgcgtccga aaaaaaagaa aacacaaaaa caaagattat aatggcttcc tcaaccatgg 60

ctttgtcctc ccctgccttc gccggaaagg ctgtgaagcc tgccgcatca gatgtcctcg 120

gaagcggccg tgtgaccatg aggaagactg tcgccaagcc aaagggtcca tcaggcagcc 180

catggtacgg atctgaccga gtcaagtact tgggtccatt ctccggcgag cccccgagct 240

accttaccgg gtgagttccc cggtgactac ggatggaaaa ccgctnggtc tatccggccg 300

accaaaagaa cctccgcaag gaaaccttga gctaaaantt ttccaacaag caagaatggg 360

ccaatgcctc cgggagcccc taaaggctgg cgtttttttcc ctggaancta attgggctaa 420

nggaaacggg agtnaaaagt ttcgggaaga aaaccnggtt ttgggtttca aaggggccgg 480

gtttcaacaa gattctttca a 501

<210> 6032
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-A1

<400> 6032

acgcgtccgg tgagattttg gatttcatcc tcacaaaggg tggtggtggt ggtggtgagc 60

aagatcagac gaggacggtg atgacgccac ctctgttctt tacagggtca cctccaagta 120

gagtttctaa cccattaaca aaagattcgc tttttcgaga agagcttctc atggtggctt 180

ctccgagtcc atcgactcca cgagcaacca aaccgcagcc accgtcttct ccaaggaacg 240

gtagttgtgt tatggcggcg acgagtttcg ggaacaatcc tgtggttcgt gttgtggggt 300

ttgattgtga cagacgcanc agcaacanga gcatttcgac tcttgcataa agaagtagtc 360

caatatgcat atatatatta accagngang agtattaaaa ggancaacta agaaaaggtt 420

taaggtattg attaagttgg gaagggtttt gtttggtgaa aatgtngtaa aaa 473

<210> 6033
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-A10

<400> 6033

acgcgtccga gctattgcat tagcctgaat ggtcctgtct gcctttcctc tctaccagat 60

attgttgttg agactccgga aaatggaggg gaagatcttc tgctgaccag tgagttcctc 120

aaggaatgtc tggagatgta ctctgtacca tcacgaggat ttgagacaaa cccacgcggg 180

tttcaatcaa agcatcttaa tatagtcgat ccgcttaaag aaactaacaa tcttggacgc 240

agcgtaagca aaggtaactt ttatcgtata cgaagtgcat tcacatatgg tgctcggaag 300

cttgggcaac ttttttgcaa gtcagatgaa accataagtt ctgagcttcg taagttcctc 360

ccctaacaat gctactcaag gcatgggaat tggcaaaagg cccgaatgtc catgaagccn 420

attccatttt taaaggtaca acaaggtaca atgccaaaat tgccancttc caaccat 477

<210> 6034
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-A11

<400> 6034

aactggtttg gtttggcctg gcntaccggg atatcgaaag gtcgacccag gcgtccgccc 60

aaacagtctc cctagtgagc gatgatgaaa gcaaaccaga aaccgaaacc ccacgcgcca 120

ccgcgtcctc tcttctcctg tggcttcttc cgccgctgca cacaatccgt cctcagccca 180

annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnaaga aaccttccag atcgcagagc ttcacctcac atccgtctct 420

gaatccgaca agctcctcgc tctacagcta ctcgagcggg tagtcgtacc tgacccgcca 480

tctgattcga cttgtcaacg gggtctcatg cgaagtc 517

<210> 6035
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-A4

<400> 6035

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gttttgcttg cttgtgcgtt tctctcgaac tctctccatg gctgttgcgc tccaattcag 120

ccgattatgc gttcgaccgg atactttcgt gcgggagaat catctctctg gatccggatc 180

tctccgccgc cggaaagctt tatcagtccg gtgctcgtct ggcgatgaga acgctccttc 240

gccatcggtg gtgatggact ccgatttcga cgccaaggtg ttccgtaaga acttgacgag 300

aagcgataat tacaatcgta aagggttcgg tcataaggag gagacactca agctcatgaa 360

tcgagaatac accagtgata tattggagac actgaaaaca aatgggtata cttaatcctg 420

gggaaattta ctgggaaaat ccctaaaaca taatnggttt tgctgggg 468

<210> 6036
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-B10

<400> 6036

cgtccggana tccagggtcg acccacgcgt ccgaacantt tagcacggtg cgacaagatg 60

gcgagctcag tgacgctgct tctatggagt cttcttcttc tcggtacact aagcgctatt 120

caggccaaaa agtctaagga aaacttaaag gagatcacac acaaggttta ttttgatgtt 180

gaaattgatg ggaaagcagc tggtcgtatt gtcatgggtc tatttggcaa gacagtcccc 240

aaaactgtag agaatttccg agctttatgc actggggaga aaggaatagg taagaatggg 300

aaggcgctcc attacaaggg gagttcattt cataggatca taccaagctt tatgctccaa 360

ggaggcgatt ttacacatgg aaatggaatg ggaggagaat ctatctatgg tgagaagttt 420

gctgatgaga acttcaaact caagcatact ggtccaaggg tcttatcaat ggnaaatgcg 480

gtcaagatac caa 493

<210> 6037
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-B11

<400> 6037

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tagggttttc tgggaattag gttgattaaa ttatgcgagg cggtggtagg agaaggtcaa 120

acggtggtgg tagttctggc aaaaacaagg ctaaatctcc aggacagagc acgagaacca 180

atcataattc cgcggcgggg tcttcctccg gtggtcgtca ccgacgtcag aataatacta 240

ctttgtttgt tgaaggaggt attctctccg actaccgaaa agatcctaac ttttcgacgc 300

catctcgtgg aggaagctct tcgggaaagg gattgagatc tagaagcata gagcgtgtaa 360

aagcttctgc ttccacgagt ggtccaagga aatgcagtgg taatacttat gtgtatcaat 420

atccttccat tgattttgaa gaaaggttgg atncaagatn aggagttgaa atgatnaaat 480

gaatgaaaat ccactggtgt ttgggaaatc 510

<210> 6038
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-B9

<400> 6038

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ttcagcctga aggtccaagt tttcgtgtaa ggggttactt tgtcgagtgg cagaagtgga 120

actttcgtat tggattcact ccaagggaag gtttagtcat acattcggta gcatatgttg 180

atggcagtcg aggtcgaagg cctgttgcac acaggctaag ttttgtggaa atggttgtgc 240

cttatggcga tcctaatgag ccacattaca ggaaaaatgc ttttgatgca ggggaggatg 300

gtctcgggaa aaacgcacat tcgcttaaga aggggtgtga ctgtctggga tctatcaagt 360

acttcgatgc ccatttcaca aatttcactg gaggagttga aacaattgag aactgtgttt 420

gcttgcatga agaagatcat gggattttgt ggaaacatca ggactggaga acaggattag 480

ccgaagtgcg aagatctagg agactaact 509

<210> 6039
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-021-Q2-E1-C12

<400> 6039

tgcccgtccg gatgatcaag ggtcgaccca cgcgtccgct ggagttgtcc aactaagaca 60

aaaagtgcaa tacatgaggc gtcgaggtgc aaaggtgatg ctggagggat ggataacaag 120

agaggggatt cattgtgatt gctgcagtaa aatactcaca gtctccaggt ttgagattca 180

tgctgggagc aagtcatgtc agcctttcca aaatatttat ctggaatctg gcgcttctct 240

tcttcaatgc caagtcagag cgtggaatat gcagaaagat gctacgaatc ttgctctcca 300

tcaagtggac actgacgggg atgatccaaa tgatgatgct tgtggtatat gcggtgatgg 360

tggagatttg atttgctgtg atggttgtcc atcaacatat catcaaaact gccttgggta 420

tgcaagtgct tccttcgggt gattggcatt gtccaaattg cacatgcaag ttttgtgaag 480

canctgtggc tctggtggc 499

<210> 6040
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-C5

<400> 6040

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taccaaatcc gacatgaccc aggccctcgt tttcggagga ctataatgat cggactcttc 120

gtgtcccgtc tcgattgcat ggggtttgag ctatgccgga gcttcgccgt ggagtccgcc 180

gtggccgtgt tactgatgct gtagctccca atcagcttcc gcaaacacct acagaaaaga 240

aaccgaagaa gagtaccgtt aaagctccaa aaccggttgc cggcggagtt acaggagttg 300

cagagaggcc gaggactaga ttagcggcga ggaaattaaa ggaggaagat aaagagatac 360

ctcaggagat tccggttgtt gtgccgtcta aggatagcga tatcgataaa aacaagggta 420

aagaggtagt cgttgaagaa gagaagaaag atatggctan tggtaa 466

<210> 6041
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-H10

<400> 6041

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cctatctctc ttacctccgt aatttgttcg taagagaagt atcgtgatgg gtactgagag 120

aaagaggaaa attagtctgt tcgatgttat ggacgatccg tctgctccgg cgaagaacgc 180

caaaaccagt ggtcttcccg acggcggaat caacagtctg atcaataaat ggaacgggaa 240

gccttattca cagagatatt atgacattct ggagaaacgg aggactctac ctgtctggct 300

gcagaaagag gagtttctca aaacgttgaa caacaatcaa accctaattc tggttggtga 360

aaccggtagt ggtaaaacta ctcagattcc acagtttgtg atagatgctg tggatgctga 420

aacatcggat aagcgtaagg aantggttgg ttgga 455

<210> 6042
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-D1

<400> 6042

cacgcgtccg accattcctc cgaaagttta tagatttcac tctcccccga actatacaaa 60

attccctcaa aaggaaaaac taaaaagccg atcttggctt ttttgtttct gagtgcatct 120

cgatacttgg aagcattctt tggtgaggct gattcattct catctgtgaa agtctttggc 180

ttttgaagca atactatgga aggaattcag catcctatac ctcgcactgt cgaagaggtt 240

tttagcgact ttcgtggtcg tagagctggt ctcatcaagg ctctctctac tgatgtacag 300

aagttttacc atcagtgtga ccctgagaag gaaaacttgt gtctttatgg acttccaaat 360

gagacatggg aggttaatct tcccgttgag gaggtccctc ctgagcttcc tgaaccagcg 420

ttaggcatca atttcgcaag ggacggaatg cangaaaaag actggat 467

<210> 6043
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-D10

<400> 6043

acgcgtccgc naaaatctcc aaagaacccg acaaagcgcc atgtcgctca ctatcccggc 60

gaatctcgtt ctcaacccga gatctaacaa atctctcact caatccgtac ctaaatcctc 120

cgcangattc gtctgctccg atgacaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntct gctcctatgc cagctgtcgc 240

tgatatctca ggtttgactc cttgcaagga ctcaaaacag ttcgctaaaa gagagaagca 300

acagatcaag aagcttgaat cttctcttaa agctctacgc tcctgaatct gcccctggct 360

cctggctcct caaatggctc aagattngaa gaaaaacaat ncgcaaggtt cgacaaacta 420

cggggaagtt agggattgtt atgccgggtc aagacggttt tacggcactt gataantg 478

<210> 6044
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-D2

<400> 6044

cacgcgtccg gagaaatttg gttgtntgtt gacggaagct tcttcggtct ctcttctccg 60

tcttacgatt gtcaacgcgt ggttccatct tcaattttgt ttctatttta gcagaagttt 120

ctcgagcttc aaatactgtt tcagatcaat caatcagtca atcatggcta gctctggaaa 180

caagaacatc aacgccaaat tggtattact aggagatgtt ggagctggaa aatcaagtct 240

tgtgctacgg tttgtgaaag atcagtttgt tgaatttcag gaatcaacca ttggtgcagc 300

ttttttctct caaacattgg ctgtgaatga tgcgactgtg aagtttgaga tatgggatac 360

agctggtcag gaacgatacc acagttgggc tccaatgtac tacaagggtg caactgctgg 420

caataatgnc cttgacatta ctaatcaagn ctcatttgag aaggg 465

<210> 6045
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-019-Q1-E1-D3

<400> 6045

cacgcgtccg ccgacgcgtg ggtagaaata ctgattaccc ccaaatccga agaaacgatt 60

tcgtctggag atatcaaaga tttgacaatg tcaccggatc atagaatgtc accggatcat 120

agagatagcc atagaaagag gtctcgtcct cagtctgact acgatgataa cggtggaagc 180

aaacggagat atcgtggtga cgatagagat tcacttgtga ttgatcgcga tgacactgta 240

ttccgatacc tgtgcccggt aaaaaagatt gggagtgtta ttggtagagg aggtgatatt 300

gtcaagcaat tgaggaatga tactagatcg aaaattagaa taggcgaagc aattccggga 360

tgtgatgaac gtgttattac tatctatagc cctagtgatg agaccaatgc ctttggagat 420

ggagagaaag ttctttctcc tgcgcaggat gctttgttta agattca 467

<210> 6046
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-D9

<400> 6046

gtaccgcccc gagaattccc gaatcnaccc acgcntccgc nccttttttgc aagagnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnngcgtg ttgtaaccta atccaaatct tacncattga gggaatngga tcatcacgac 180

gcgtcaaaat tctgtatcgg aggaccgaga gatctccatc tcctgtccag attcgattcc 240

caccaatccc aatttcgtga aattcgttag ggttttagtt tgaatctcat ctcatcagat 300

cgagtcgacc caggattang aagaagacaa gcgatgaaga tggcgacgaa tggccgggtt 360

tttcacaatc cggggctaag tccgcgttcn tgggtactca tccgaaacaa ttgggtgtta 420

gtngttngcc tgaacaagnn accttggctt nagcaagntn acgggantca aaggtagccc 480

gantnttntc ccaaccantg gttgntnaca atgaagcggn cttgttt 527

<210> 6047
<211> 461
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB23-019-Q1-E1-E12

<400> 6047

acgcgtccgg tgcatgtggt tccaagccca tatgtttagg aaagttatca gtatcacaaa 60

atctcactgc aagctaggac ttacagccac ccttgtgaga gaagacgaaa ggattacaga 120

tttgaacttc ctcattggcc cgaaactcta tgaagccaat tggctagatt tagttaaagg 180

aggctttatt gcaaatgttc agtgtgctga agtatggtgt cccatgacca aagagttttt 240

tgcagaatat ctaaagaaag agaactccaa gaaaaagcag gcactttatg tcatgaaccc 300

taacaagttc agagcctgtg agtttctgat tcgtttccat gaacaacaac gtggggataa 360

aatcattgtc tttgcagaca atctttttgc gcttacagag tatgcgatga aactccggaa 420

accaatgatt tatggtgcaa ccagtcatat ccaaaaggac a 461

<210> 6048
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-019-Q1-E1-E7

<400> 6048

acgcgtccgg ataaaccaca acatcacctg atcaagattt ggcattgctt taattaggaa 60

gtgtttgacg tgctcgatct gctcctttat gtcttcattg tcatcacaaa tttcttcaaa 120

cttaaatatc ttaaggacct tcaccggact tgataataga gattaacgaa ctttgtgatg 180

acaacgaaga cacagctgat caaatcaagt aggtcaacca ctttctgaag acaatgccga 240

atcttgaaca attgatgttg tgctacgata caccaaatca tttgatgata ccattagaaa 300

ttacatttat tcacccacga ttctgtattt ggaaaagatg agacaattaa atatgcaaaa 360

ttaggttttg aatcttaaag tcattcttaa actcatgaaa ggcctccttt agtctagatg 420

acaaaattgt ttttggaaga aacaaacggt tttgca 456

<210> 6049
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-E8

<400> 6049

acgcgtccgc ttccctcttc tctcaccaca atccnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnagct ctttatcacc attgtctcct 120

ttcttctcta tgctccattg ttcttatctt caccagttcc tgaccctgaa tctgtcgttg 180

aagaagttca caagagcatt aatgcgtcgg ttgcaggaag aaggaagtta ggttacctct 240

catgtacgac cggtaaccca atcgacgact gttggcgttg tgaccctcac tgggagcaac 300

accgtcaacg tctcgctgac tgcgccattg gattcggcaa aaacgccatc ggtggccgtg 360

acggtcggat ctacgtggtc accgactcag gaaacgacaa cccagttagc cccaagcccg 420

gaactttaag acacgcccgt ggtccaanga cgaaccactc t 461

<210> 6050
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-F1

<400> 6050

cacgcgtcgg cntngttgtt agagaaaaaa ttccagttct tggattccgg cgacctcatt 60

ggtgaaagat cttcagagat tattatattt ctcttgaccg gtttcgatgg cggatggaaa 120

cgccagttcg cgttacgtga aattgaggaa agagcaggct cctgtcgaag aagatatcac 180

acccggtgaa ctcaatcagc ccattgatgt tcctcagttg aatgtccgca agtgccatga 240

atgtatgcaa gttctacctg aaacctatga acctccttct gatgaaaact ggaccaccgg 300

catttttggt tgtgctgaag atccagagag ctgcaggact ggtctctttt gtccgtgtgt 360

tctgtttggg cgtaacattg aagctgtgan ggaagagatt ccttggaccc aaccatgtgt 420

atgccatgct gtatgtgtcg aaggagtatg gcacttgcan cagt 464

<210> 6051
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-F7

<400> 6051

acgcgtccga actcactacc cccagctttg gtgatttgaa ccacttgatt tctgctacta 60

tgtctggtgt gacttgctgt ctgaggttcc ctggtcaact caactctgac ctccgaaagc 120

ttgctgtgaa tctcatccca ttcccccgtc ttcacttctt catggtgggt tttgctcctc 180

tcacctcaag aggttctcan cagtaccgtt ccctcacagt ccctgagctc acccagcaaa 240

tgtgggactc caagaacatg atgtgtgctg cagacccaag gcacggacgc tacctcacag 300

cctctgccat gttccgtggc aagatgagca caaaggaagt tgacgagcag atgctgaatg 360

tgcagaacaa gaactcgtcc tactttgtgg agtggattcc caacaacgtg aaatcgacag 420

tctgtgacat cccanctact gggtccgaag atggca 456

<210> 6052
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-G10

<400> 6052

ctgtttacgc ctggtngtac ggcccgaaaa ttcccgngtc gacccacgcg tccggagaga 60

aacaaatcct tcttctaaaa tattcttcaa tcttcttctc gaagcttctc caaaaatggc 120

gattacttct tctagaacca ccagatcaaa cggatctgct tcgctccgat ccaaatcacc 180

gtccggtcga ttctgtggcg tttactcaaa ccgtatgccg tcatcatctc cgtcgtcgtc 240

aggtttcgct tcttccacaa gctcaagttt ctcctcaccg tctacagcgt ttttcagcag 300

ccacaatcag aacaaccacc accaacacag atctgcttct ccgacgcgtg tgaatctatt 360

cacatcagct ccgatgacgc aatcgtttcg ttactcaatc gataacagat ttatatcacc 420

gaatcgattc atcgctgttt cttccaacaa acctagcaat catcacaaag attccggatt 480

ccgaggagaa natgtatgtg ctcccccga 509

<210> 6053
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-G2

<400> 6053

taaatcttcn catgctcagc tttcgtccca aatttttctt gatcttgtgg attcggtgat 60

agctgatgta gcatctgagt gtcatcgggt ancacgacta ggacttgatc gtgatttgga 120

tatagtagaa gaagagttga gattgtcagt ggaagcgcgt gcgaagatcg ctgatcctag 180

caacaacctc gaaaccaaca ccaaatatgt tgttgatata tttgggcaga ctcaccctcc 240

tgtagctagt gaagtgttca attgcatgaa ctgtgggcga caaattgttg caggaaggtt 300

tgctcctcat ctcgaaaaat gcatgggaaa gggaagaaag gctcgtgcca agacaaccag 360

aancacaacg ggcngcacag aancggaatg cacgacgcag ccccaatcca cgatattccc 420

cttatccnna ttctggctag tngagaacca attag 455

<210> 6054
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-G4

<400> 6054

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ttttgaatgc ttatacgtac atttcttctt gaaaagactt tgaatccaag aacccgtgag 180

gaagtaatcc cagtgaagag aagacgacaa agaaaaagga gcctataaag atccaaagct 240

tcccttgtct ttagttctca tcaaaaaaat tgaaaaacgt ttggagttat tgagagagag 300

agagatagag aaagatgttg gaaggcaaag caatggtgga agattcagac atgccaagtg 360

aagatgcaga tgcaagctat ggcatttgct tctcaagctc ttgacctttt tgatgtcctt 420

gactgtaaat ccaattgctg gtcacatcaa gaaggganttg atgagagat 469

<210> 6055
<211> 461
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-C9

<400> 6055

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agtctgttga tgaaatggct tctggcttag accattttag tggaggcatt ggcaatatgc 120

ttgatgatgg tgactcacat ccaatcggaa acatgcttcc tgatgatgag gaagagcttt 180

tctctggtct aatggatgat ttaaacttaa gttccttgcc agctacgttg gatgacttgg 240

aagattatga tttattcggt agcggaggag gtcttgaatt ggagactgat ccatatgaca 300

gtctaaacaa gggcttctca anaaaggggt tttgctgatt ctaacgttga caatgttatg 360

cctcaaaaca ttttcaaaat gggagtggga ttcaatggct ggngaacaac cctaagggga 420

acatccctca aaggccttgg ttggtccgga taataacaat t 461

<210> 6056
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-A12

<400> 6056

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acgcgtccgg tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnct attcttacgc tttcttcgat cgtcgatttg atttttttccc 180

ttccttctta ttttttctcgg ttgaagtaga agataaagca tcgatacatg atggctgatt 240

gataagagtt ttctccggag aggttcggag ttttttttttt agaaaggaaa cattaaaaaa 300

gatggcagtc tcttttcctc gtcttccgag gtggttgtgt ggtggtagta acactaaaga 360

tagagagaag aaagagtcaa ttcctaaagg atcttcttca cttagtcctt cactgaagaa 420

gactactact aataagactg gttcctcctc cttcatcaag tgaagaaaga acaaagagan 480

ggatggattg gaagaagaag attaagatna a 511

<210> 6057

<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-A6

<400> 6057

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cgtggttggc cggagctcta tcattcctgc cgccgctaac cggtcatatc ctattatatt 120

ccggaatgga gttgatttgg gggcgagatt cttctgtgag aacactgcgt ctgcccagaa 180

tttcgatatt gatctctcta acgaagagaa taagagaaga acgatcaaca gattgttgta 240

taggagcaag caaagagggt ttttggaact tgatcttgtt ttggggaatt gggttgagga 300

gaatgttaat tccatggacg aaaatggtgt taaatcccta attcatgtcc tcaatttgga 360

aaaccctgat ctctggaaat ggctaactga acaggaacag cctccggaag cagtgagttc 420

aaatccggtg ttctcggcgt tacacgagaa atcat 455

<210> 6058
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-A7

<400> 6058

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tttctcttaa gaagaagaag aagaaagata aattaaaagg gtggttctga gttttaagga 120

ttattgtttg annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntta 180

tctgattgct ctaatgaata tgagaagctc gttgttcgga tgaacatgcc cagggtcgta 240

attgacaatg gagtttgccc taattcaact gtcgtcaaga ttgatagtgc aagaagccca 300

ggaatattgc ttgaatctgt acaacttctc actgatatga atctctggat caaaaaagct 360

tacatttcct ctgatggaaa atggaatatg gatgtttttc atgtgagcga tcttaacgga 420

gacaaattaa ccgacgagaa cctaatccgt tacatt 456

<210> 6059

<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B1

<400> 6059

nacacgcgtc cgccggaagg cggcgaaact gattgcaact ggctcaggac atttgataaa 60

agggattctt tggtgtggan atgtgactat ggataggctt atttggggaa atggtttcat 120

gaaaaggagg ttgtcaaagg ctganaagga tagtgaagtt caccctgaca ccttgnaaag 180

aatcagaaga gtgnagagga tgaccaanat gacagagagt gtagcaaaca gcatactgtc 240

tggagtcctt aaagtttcng gattcttcac aagttcagtg gcaaacacca aagtangaaa 300

gaaattcttc agccttcttc ctggagaatc atccttgcat ctcttgacgg attcaataag 360

gtctgtgacg ctnttangtn cctgggaagg aatgtaatgt caacctcntc cactgttaca 420

accgaacccg ttgatnaca 439

<210> 6060
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B10

<400> 6060

gcctgtntgt accggcccga naattcccga atccacccac gcctccgcna tctcaaaaac 60

gctcctggag tgtcaagaac agagatttgg gtcggaatca agaaagtaat cgagactttg 120

caggacaact atccggaatt cgtgtccaga aacatattca tcnacgttcn attctggttc 180

tacgccatga gagctgtcct ctcgccattc ttaactcaac gaaccangag caagtttgtt 240

gtggctcgtc tcgctaaggt cagagagact cttctcaagt acattccagc tgatgagctc 300

ccagttcagt acggtgggtt caaaacagta gacgataccn aattctccaa cgaaactgtc 360

tctgangttg ttgttaagcc ctggattatc tgnnancatc gaaatcccan ctcctgagac 420

tganngtnca tttggtattn ggacataacc ggttttnggg aatgggaagt tgaagtnc 478

<210> 6061

<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B2

<400> 6061

cacgcgtcng ggtgaatgca gtaagagacg gcatgaactt agttccatat aaatatatca 60

tttgcaggca agggacccca ggaatggata aggccatggg gattagccat gactcagccc 120

ggacgagcat gcttgttgtc tctgagttta tcggctgctc gccttctttg agtggtgcga 180

tcagggtgaa cccatgggat gtagatgctg ttgcagaagc ggtaaactta gccctcacta 240

tgggtgagac tgaaaagcga ttaaggcacg agaaacacta tcactatgtg agtactcatg 300

atgtgggtta ctgggcaaag agctttatgc aggatcttga gagggcatgc cgggagcatt 360

ataataaacg ttgttggggt attggttttg ggcttgagtt tcagagttct gtcactgtct 420

cccgagtttt aggaagctat cctatcgatn acattgtcct cacgtata 468

<210> 6062
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B3

<400> 6062

gttgcctgcg ccgnttggcc tggcattccn gggtcgaacc acgcgtccga naaaatatgt 60

annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccgc tggacgtcga aacaacctgc 180

ctcgtccaaa cctcagaaga cgatgtaagg tcaccgcttc acgggctaat attgaacaag 240

aaggtaacac agtgaaagaa cccattcaga atattaaagt aaagggatac ataacggccc 300

aagaagagtt tctggagggc ataacttggt cgagaggtct cgatgacatt gctgatatcc 360

gcggcagatc attgctcgtc gagcttatta gcgccaagac tgaccagcgg attacggtag 420

aagactacgc acaacgtgta tgggccgaag cccctgatga gaagtacgag tgcgagtttg 480

agatgcctga agacttggac caatgg 506

<210> 6063
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B6

<400> 6063

angcgtccgc ccaagcgtcc gtttgattct ggtcgttatc cagatcagag aaatccgtga 60

tccttttttc tctctcactt tcttctctga aataggaaaa acanaaaaca aatctgataa 120

tcgaaacnga tcactcactg ctgattccgt aacctaaaan atgtcggnag cttcttctag 180

ctccgttctt cacctccgaa ncaaccaaca actgttatca ctccgatctc ncaaaaantc 240

cacctccgtt gcttctcaat tggccgttac gtctggtgtt agccgtagaa gatcgtgtac 300

ggcgcgatgc tctgtgaaga aaccggtgat tcctgagagt cctttcctag ggactcgtgt 360

gcgggagatc cggatccgag acgcttcagt tctggagatc agatggtcct gggacggtct 420

gcgaannctt cgaaacggtg gttaantcgt cattttccgg c 461

<210> 6064
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-019-Q1-E1-B8

<400> 6064

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tacagtccag tgcttgtctg gtactggttc gttgagagtt ggggctgagt ttctcaaaac 120

acactaccac caaagtgtca tttacattcc aaaaccaact tgggggaacc atcccaaagt 180

tttcaacttg gcaggcttgt ctgtggagta tttccgctac tatgatcctg caacccgtgg 240

tcttgacttc aaaggcttgc tcgaggatct tggcgctgca ccatctggag ctattgtctt 300

acttcatgca tgtgcacaca atcccactgg agttgaccca acctctgaac agtgggaaca 360

gattcgacag ctgatgagat ctaaaagctt attacccttt tttgatagtg catatcaggg 420

ttttgctagt ggtagccttg acacagatgc acaat 455

<210> 6065
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-B9

<400> 6065

acgcgtccgg gaaaatcaaa gcagcagtta tggccgacgt agcaacaaag caccccatgg 60

aagatgaggt gaagaagacg gaggcgtcta gtttggtggg gaagctagag acagacgtgg 120

agatcaaggc ttcggctgat aagtttcacc acatgttcgc tgggaaacca caccatgtct 180

ccaaagcaag tccaggcaac attcagggat gtgatctgca cgaaggcgac tggggcacag 240

tcggctctat cgtcttctgg aattacgtac atgatgggga ggcaaaggtg gcgaaggaga 300

ggatcgaggc ggtggagcca gataagaact tgatcacgtt tanggttata gaaggtgatc 360

tgatgaaaga gtacaaagaa cctccttgct caccatccaa gttgancect aaaccctgga 420

aggccctgga aantattgtg cactgggaac cttgagtatg aagaaaaaat tagc 474

<210> 6066
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-C1

<400> 6066

cacgcgtccg cccacgcgtc cgcaagaatt tacagtattt gaaaaaatac aaaatggcga 60

aaatctaccg gaagttgaca ggctacggtg gtgaaggagg gcgtgaatgg gacgatgatg 120

tatatgaggg tgtaagaaaa gtgtatgtag gacaagatat caatcgtatc acttacgtca 180

aattcgagta tgtgaaggaa gacggccaag tcgtaacaac tgaatatggg aaaatcattc 240

aacaacccaa agagtttgta cttcaatatc cggacgaaca tatcatagcg gtggaaggaa 300

actatcgcgg agtggctcta tgtgccacag aggtgatcac aaacctcgtc ttcaagacct 360

caaagggtag aaagtcacca ctgtttggtc caaacttgct tggaattacg accggtacaa 420

agttcgttat tgangatgga ggaaagaaga tcgtanggtt tcatgga 467

<210> 6067
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-C12

<400> 6067

aatgtctcgc ctggtcgtac cggcccgnna attcccgngt cnacccacgc gtccgtcnct 60

ctctctctcc ctctcccaaa atctcacgat gcaacctcag ccgcatattt ctccgaacac 120

cgcaactgcc gcgatctcag ccgcgcttga atctcagcgc agtagaaaan accgaggaag 180

ttacaattgc ggtagatgtg gtcaacctaa gaaaggccat gtctgtcttt taactgctcc 240

acctgatatt cccactactc cgatcgcttc tgagccagtg agctgcatct ccgccgccgc 300

atcttcttcc cgttctactg tcttatcttt aacagcggcg ccgtcatcgc gacagacctt 360

cactcactta cgccgagctt tatcgttcga tgacgtcgat gcgcgtaatt cactcgatga 420

atccgatntg gaagctgcat cgaaggattt ggatntacaa ttggatacgg atatgttcaa 480

cctgggangt tcaagcggtg gg 502

<210> 6068
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-C7

<400> 6068

acgcgtccgt cgaaatcgga aatcgaaaat ctctaatcag ttttttttt ttaagtagaa 60

gaagaaaagt tcttacgaag aacccagatt ttgttaagaa atggatgtgc cagaggagac 120

gaggcttcgc cacaagcgag attttatcca gttcctcgat agtatgtata tggaggaaat 180

caaggctttg gtacatcaaa agcgtcaccg tctcattatt aatatctctg acattcacca 240

ccacttcagg gaagttgcct ctaggatact gaagaatcca aatgagtata tgcagtcatt 300

ttgtgacgca gccactgaag ctactcgtgc tattgaccct aaatacttga aggaaggaga 360

gcttgtcctt gttggttttg aaggttattt tgtttctcgc gttgttactc ctanagagct 420

tctctctgan tttattggga tcgatggtct gtgttga 457

<210> 6069
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-H8

<400> 6069

acgcgtccgc ccacgcgtcc ggaaaaccta gaaacaaata cggtcttttt tttttctttt 60

tatgggtcgc gaatctctgg ctgttgtgtc ctcgccgcca tcggcgactg cgcccagtac 120

tgctgtgtcg gctacctcgc ttgctcctgg ctttcgattt catccgactg atgaggaact 180

cgtgagctat tacttgaaga ggaaggttct gggtaaacct gtacgcttcg atgcgattgg 240

agaggtaaga tatctacaag catgagccct ggggatttag caagtgtttt cgaagttgaa 300

aaactccggg aacaaagaaa tgggnacttc cntcantggc gtttangata aggaaagtaa 360

cnggtaaatg gggggccaag ggattnaaat tcngaagcaa anntaannaa aanggggtta 420

aacgggggaa aagnnaactg gggaaaaaga ncangnggaa aaatnccgcc ccggggaata 480

attcaanttt gcctccgggt aatgaaaaaa aagaangcct tggtttttcc aacaaagc 538

<210> 6070
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-F8

<400> 6070

acgcgtccgg ttagtattgt cacagagaaa gcttcagatc tagaagaaga agcagagttc 60

ataaagagaa acccatttta aaccctagaa atcaagtgtc aatctcggaa accttctgat 120

tccgcaacaa tggcagttac agatactgaa agtcctcatc ttggggaaat tacttgtggt 180

accttacttg agaagttgca ggaaatctgg gatgaagttg gtgagagtga tgatgaacga 240

gacaaactgc ttcttcagat agagcaagag tgtcttgacg tttacaagag aaaagtcgag 300

caggctgcga aatcccgagc tgagcttctt caaaccttgt caaatgctaa tgctgaacct 360

ttccaacctc aaaagggccc ttgggganaa aaagcctaat tggnaatccg gataagtctt 420

caggaacgat taaagaacaa cttgctgcaa tagcaccggc tcttgaacaa ct 472

<210> 6071
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-F9

<400> 6071

gcgcagttct ntttgcacgg ccagtactca caaagaatgg ccggtcgacc cangnatccg 60

agaacttggt catgtgtcca tttttagaaa tcaataaaat attataccat atatttatag 120

tatctaactt taagagaata aatattttta tttgccgatt catngngaca cacatgcgtg 180

tggtatctat gtctatccat taaactaatt atatataaac ttatttctg gccacaattt 240

ttgtttcgtg tatagagaga gctcaaagat ggaaccaaca gaanaaccat cgaccaaacc 300

atcttctcgg actctaccta gagacactcg tggctctctc gaagtantca acccgtcnac 360

tcangctgac ccgacccgat tncccggtgt tcngtccctg aaccannagc gtnggcaaga 420

cttgagtgat ccacgtggca ccagtcctca acccncg 457

<210> 6072
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G1

<400> 6072

aacttttatc cgcccgncta ccggtcanag aattcccggg ncgacccacg cgtcnncgaa 60

tcctgatgtt acaggcttag atgaggaagg gagaggtgaa tcgaatgatt tgcctcaatt 120

tcgtgagttc tctatagaga ctataaggaa cgcaacttca ggatttgcag cagagaatat 180

agtttcagag catggtgaga gagctcctaa tgttgtctat aaaggcaagc ttgagaatca 240

aagacgtatt gctgtcaaaa ggtttaaccg gaaatcttgg gctgattctc gtcaattctt 300

ggaagaagcc aaagctgttg gtcaattacn gaatcatacg atggcaaatc tacntgggtg 360

ttgttatgaa natgaanaga gactacttat tgcagagttt angcctaatg aaactttggn 420

aaaacaacct tttcaccggg agtcacancc aatgaagtng gcgaatgcga ctgagaagta 480

nctttttgcat aatgctcaaa gcgctanagt attgtacc 518

<210> 6073
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G3

<400> 6073

acgcgtccga aagaaggaga gaaagatgac gtcaccgagc catgcctctg atcgcggcgg 60

cggcgacggt gactcagtcg agaatcagtc ccctgagctc aggaaagatc cggtaactaa 120

ccgctgggtc atattctctc ccgccagagc caagagaccg actgatttca aatccaaatc 180

tccccagaac cctaatccca aaccttcctc atgcccattt tgcatcggtc gtgagcaaga 240

gtgtgccccg gagttatttc gtgtgccaga tnatgacccg aattggaaac tccgggtcat 300

cgagaatctg tacccggctc ttagtaggaa tcccgagaac caatcgaacc aacctgaaaa 360

cgggaanant tcgngaatat cccgntccga ttccacgaag tnntgatnga atcccctgtt 420

caatcgantg agngngggcg anatcgattc ggtgggtatc ggcgatatct 470

<210> 6074
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G5

<400> 6074

ttgtttacgc cggccangta ccgntcagga attcccgngg tcgacccacg cgtccgattc 60

cagcgactta acaacaacaa caacaacata ttctctgctg ggtattagat tcgaatttct 120

ctttttgtga tcagaaatgg atcgagctcc ggtgaccaca ggaccgttgg atatgccgat 180

tatgcacgac agtgatcgat atgacttcgt taaggatatt ggttctggta atttcggtgt 240

tgctcgtctt atgagagata aactcactaa agagcttgtt gctgtcaagt acatcgagag 300

aggagacaag attgatgaaa atgttcaaag ggagatcatt aaccacaggt cactaaggca 360

tcctaatatt gtcagattta aagaggtcat tttgacgccg actcaccngg ctatcaanaa 420

tngaataagc tctggcggtg aactttacga ncggatttgc aatgcangac ggtttaatga 480

aagatgaggc tcggttcttc tttcagcaac ttct 514

<210> 6075
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G6

<400> 6075

acgcgtcngg attaatgcac caccccagta taaacatttg attgcaatcc atgctgggaa 60

accaaaaggc ggaattactg agtgtttaaa ggtagatcct gacaaggtta gacgccttag 120

cttaagcgaa gaacaacttg aaaaggcagc agaaaaatat gcgaagcaga ttgtgaggtt 180

tactcagcac aatttgctga ggatataccc aaaaggaact agagtcacat catcaaatta 240

caacccgttg gttggctgga gccacggtgc tcaaatggtg gctttcaata tgcaagggta 300

tgggaagatc atttgtggct aatgcaggga atgtttaaag ccaatgggcn ggatgtggct 360

acatcaanaa accctgaact tcggctgaaa attggtcccg gtaatgncat atttnaccca 420

aaaactactc tacctgtgaa aacaacactt aaggtaactg tatacatggg aaaaa 475

<210> 6076
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G7

<400> 6076

acgcgtcnag cccacgcgtc cgcagatcta gattcagttt ttttcatcaa aaaagagcgt 60

cttcataaac gcccttcgtc ttcttccctg gaaatctagt ttctttcttc cacgaaaatg 120

agagagtgca tttcgatcca cattggtcag gctggtatcc aggtcggaaa tgcttgctgg 180

gagctgtact gtcttgaaca tggcattcag cctgatggcc agatgccgag tgacaagact 240

gttggtggag gtgacgatgc tttcaacacc ttcttcagtg aaaccggtgc aggtaagcac 300

gtcccacgtg ctgtctttgg tgatcttgan ccaactgtga tcgacgaggt cagganngga 360

antaacggta agtttncaac cngnaaacca tcagcggtaa gaagatgcag taaaaattcg 420

cccgtggcaa tacacaatgg gaaagaattg tgact 455

<210> 6077
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-G9

<400> 6077

tttttgnccg ccaggtacca ancaagaatt cncnggtcga cccacgcgtc cgctcccccg 60

cagctagacc caaacacacc atcaccaatc ttcgccggaa gcacaggagg tctcctccgt 120

aaagcacaag tagaggaatt ttacgtgatc acatggaact caccgaaaga acaaatcttt 180

gagatgccaa caggaggagc tgcgataatg agagaaggac cgaatctatt gaaactggcg 240

aggaaagaac agtgtttggc tttaggtacg aggttgaggt caaagtacaa gatcacttac 300

cagttttaca gagtgttccc taacggagag gttcaatatc ttcacccgaa agatggagtt 360

tatccagaga aagcgaatcc aggaagagaa ggtgttggac taaacatgag atccatcggt 420

aaaaatgtta gtcccattga ggttaaattc actggggaaa caatccttaa ganttgttag 480

<210> 6078
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-H11

<400> 6078

attcgccggc aggtacaaac aagaattngc cggtcgaccc acgcntccgg cttgggcggt 60

ggtcgtcggc atcgtcacta attaattatt gtgattaaga aaaaatgcta aattgagttt 120

cgtcgtcttc tgcttctgct taagcttctt catcanttag ctccagaggc ggagctttct 180

tctctctctg tggacgacca tggcggcgga cgacggcgac cccactaaat tcgctgcaat 240

ctacgactca tcctctccgt cacaccctct tctctctaaa ccctccacgt ccgctctcga 300

ttctccgcgt cnaagtgatc ccgaatccga cccaactcag tttcttcaga tctcctacaa 360

ttttggccna agaactttca aggacatccc tttcctactt ctcttcgatc ttctcgtact 420

ctccaccttt ggttttggaa tcctctccat ttttcatana aa 462

<210> 6079
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-H2

<400> 6079

ggtcaagaat ccgggncgac ccacgcgtcn gcccacgcgt ccgcaaaaag gaatcttaaa 60

cctcctccgg cgaaacagat taagtcagct ccggtggcta ttattgacct agaatcaaaa 120

tctgacattg attctcgatc tgatgatcct caaatgtgtg gaccttatgt tgctgatatc 180

tatgagtatc ttcgtcaact tgaggtgaag ccaaagcaga gacctttacc agattacata 240

gagaaagttc agaaagatgt aacaccaagt atgagaggtg ttttggttga ttggttagtg 300

gaagttgctg aagagtataa acttggatct gaaacacttt atctcactgt ctcacatatt 360

gatagattcc tgncnttaaa gacngttaac aaggcaaaaa nctnaanctg tttngngntt 420

cngccangcn taatgcctcc aagtatgaag agataagtcc tcctaaagtg gatgattttg 480

ttacattacn ggta 494

<210> 6080
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-H3

<400> 6080

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aagacgaaac atggcttctt cttctacttc tctgaaaaga agagagcaac caatttcgcg 120

agatggagat caacttatcg ttactccgtt aggagccgga agtgaagtgg gtcgttcctg 180

tgtttacatg tccttccgag gcaaaaatat tctgtttgat tgtgggattc atcctgcgta 240

ctcgggcatg gctgcgttgc cttacttcga tgagattgat ccttcttcca ttgatgtcct 300

cttgattact cactttcata tagatnatgc agcatctcta ccttaatttc ctggnnaana 360

cnaaatncaa ggggngggggt ttcaagnnac atgcaacaaa ggggcatcta caagctgttg 420

cntacaagat taagttaaag tgagcaaagt gtctgtggaa aatatgttgt t 471

<210> 6081
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-H5

<400> 6081

atttctacgc gtcngtaccg ntacgaaatt cccgggccga cccacgcgtc nacggacgcg 60

tggggttagt caccaaaaaa aaaaaaaaaa acacaaaaag tttcaatggc cgcctccaca 120

atggctctct cctcccctgc cttcgccgga aaggctgtga acctttcccc cgcggcatct 180

gaagtcctcg gaagcggccg tgtgacaatg aggaagactg ttgccaagcc aaagggtcca 240

tcaggcagcc catggtacgg atccgaccga gtcaagtact tgggtccatt ctctggcgag 300

tcaccgagct accttaccgg agagttcccc ggagactacg gatgggacac cgctggactt 360

tcagctgatt ccgaaaaatt cgcaanggaa ccctnancct aaaanttttc caaaanaagt 420

tgggcnatnc cngnncccna aaggtggtnt tccctganct tttggntaag aaacggagtc 480

naatttcgga aaagcggttt tggntcaaag gccggtt 517

<210> 6082
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-018-Q1-E1-F4

<400> 6082

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ttgcttcaga gagacctaga agagttatca acatgagtct tcttctacat ctctttgctc 120

tgtctctgct catctctgtt tcaggagcaa agttctccgg ccggccagga atcaactatg 180

gccagctcgg aaacaacctc ccgtcaccgt ccgactcagt caacctcatc aagtccctaa 240

acgcgaaacg cgtcaaactc tacgacgcta acccaaaaat cctccgccgc gttaaacggc 300

acgacattac cgtctccgtc atggncccaa acgaagtcct cgtcaanatc tccaaatccg 360

cataatcccc ganaangggt tccatttaaa ancctcccgt tttaaccaaa ncaccaagat 420

ncgttaactc ctcgtcggna acgagattct ctccttaaca gactctgagc tc 472

<210> 6083
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-B11

<400> 6083

ttctatcgnc cggcacggtc anaaaatccc gggccgaccc acgcgtccnc gagaattatc 60

accatctaga atcttccctc aacctctaga aaacaacttt cgtatccttc aaaaacccta 120

aaccctagct tttgcacaga cgcaatttca tcgcatcatt ttgcaatttt cctttactga 180

tctgtcacca cctcttgaat ttcgaaacca tggctaccgc agctctcctc cgctctattc 240

gacgccgtga agtcgtttcc tctcctttct cagcttacag atgcctttca agcagtggga 300

aagcatcatt gaacagttcc tatctgggtc agaattttag aagcttttcc aagagccttt 360

agctcgaagc ctgctggaaa cgatgtcatt gggtattgat ttgggtacta ctaattcaag 420

tgtttgccgt catggagggg aagatccgaa agtcattgaa aatgctgaan 470

<210> 6084
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-B3

<400> 6084

tgttattcgc cgncacggtc caaanacccg ggtcgaccca cgcgtccggc catggaagtc 60

tcaaatcaga ccagaaaacg gaaagcaatc gacgccggga catggctcgc agccgacggc 120

gtatcgaggc tcagatggtg tagatctttc tctccttgaa gcacttgaga agtcttcgca 180

taatggagta gaagcgcttg atcttaaaac cctaaaaaag cttgtcctct ccttcgagcg 240

gcgtcttaga gacaacatag ctgctcgtct caagtatgtg gagaatccag aaaagttcgc 300

tgactcagag gttgacctac acgacgatct tcagaagctc aaggtgctcg ctggaagctc 360

cggaacttta accggacctt gttgcttcca atacggttcc ttcgattgtc aatctcctct 420

cccaatgaaa actcccgata tcgccaaacg atgtttgttc aancttcctc aaggattctg 480

actgacgaaa atgccctaag aag 503

<210> 6085
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-B9

<400> 6085

acaacncggg ccgacccacg cgtcnaataa aagatatcca agttcaaaag caaaaaaann 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 120

ggcaaccatg attanggtcg tcacctccag gctctctctc cttcctccag tcttctccgt 180

cgttaactct tcttcttcgc gttccaaaga tatgaatcta gagccaaaaa agaaggttaa 240

attaagagaa gactggagag aaaagtccag acctatccca cccggaggaa cctatccagc 300

taaagaccat tgcagtcagt gcgggctatg cgacacctac tacattgccc atgtgaagga 360

ngcatgtgca tttcttggag atggaatgtc aaaggattga gagcttggaa cctgttgtgc 420

atggtagagg aanga 435

<210> 6086
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C10

<400> 6086

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gcgtgggact nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatatttc tcaatgtctc 180

ctctcccaat cttccatcgt cttcctcacg ccacgttctc ttcctttctc ctcncactgt 240

ctcaagctgg nagttctaat acatcagtgg cattcctcan tgccttcana tcagangata 300

tcattgctcg aattggncta tggtggcanc ttatnagggc tgttgtagtt gtacctgtct 360

tcaagttcct ggtgcttcta tgtttggtca tgtctgtcat gttcttcgtt gaggttatgt 420

acatgggaat cnttgttttg natgtcaagc tgtttcaaga ggatagccnt aaaaattttt 480

c 481

<210> 6087
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C11

<400> 6087

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ccgcggacgc gtgggttctt ctaccaatat aacccaaacg cagccgtatg gggtgacatt 120

gtttggggtc acgccgtgtc tagggaccta atccattggg tccatttgcc catagccatg 180

gtcgctgatc aatggtacga ctccaacggt gtgtggaccg gctcagccac atttctccct 240

gatggctcta tagtcatgct ctataccggt tccaccgaca aagcggtgca ggtccaaaac 300

cttgcctacc ctgaagaccc caacgaccca cttctgttga aatgggtcaa gttcccgggg 360

aacccggttc taatacctcc gcccggtatc ctccctaagg acttccgtga cccaacgaac 420

tgcatggaaa gacatcaaga aggaaaatgg cggatnacga attgggtcca agctcaaaca 480

aa 482

<210> 6088
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C12

<400> 6088

ccgggncgac ccacgcgtcc ncccacgcgt ccgctctcga tcagcttcat gcggcgtcca 60

catcatcaaa ttggagaaga taaccgaaga aaatcgtccc ccttccgccg tgatcatcat 120

ctcaaccgac ggtctcaaca tctgtgactt cgaacataat cggcgatttt gatgaaccaa 180

atcggagaga gaagattaat aagatagttt tgaggaagaa atcacaatta gagcttaaag 240

caagaataaa tcacaatcac aagatgagaa tttttcggac aacgtagtga taatcagtca 300

atcggagaaa gaaggtgacc cgagtgttat aaccatcaat tgtcctgaca aaacgggtct 360

angttgtgat ctttttcgta tcctcctctt cttcggcctc aacattgtct gangangtga 420

ttgggaaacc aaacacgaga tggatct 447

<210> 6089
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C2

<400> 6089

ttattcgncc ggccacggtc canacaaccc gggtcgaccc acgcgtccgc nttcctccac 60

attaaagtaa agtatctctc tctttttttct cctacgtact ccatagtgat ggcttcatcg 120

cttctgacat cttccgttat gatccctacc accggttcca ccgtggttgg ccggtcagtg 180

ttacccttttc aatcttccct gcactctctc cgcctgaccc attcgtacaa gaaccccgca 240

ttgttcatct catgttgctc ttctgtgtcc aaaaatgcgg gcaactagtt ctactgatct 300

caaacccgtt gtggaacggt ggccggagta cataccgaac aagcttcccc gacggaaact 360

atgtgcgtgt attcgacang acgctccgtt gacggtgaac aatctcctgg gtgggattcc 420

ctcaatcccg gccgcaaaaa gctaagagaa ttggcccgac aagctcgcct aaaactcccg 480

aagtaagaca tcatgggaag tcggttttcc c 511

<210> 6090
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C4

<400> 6090

acgggtcggc cacgcgtccg aaaaaaaaga gatggagaga aacacgccgg tgagaaaccc 60

tcacacttcc accgccgatc tgctttcttg gtcggaaann nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnaccaagc cgtccgatgg aatcagcaaa gattcctaag 180

gcggtggtca agattaacaa gaatngaaag aaaccccaag tccgccttaa ataaagccta 240

aaaagaattt ggttcaangg gtaacaaagt tnaaaaaaga agaatngaac tgggtaantg 300

gggcaataat tttaactgga atnaagggga aaaantttgg ggattctgga aatcccgatg 360

gctaactaac tggatnccaa aagaactggg actccgttac taacaagcaa gactcctgaa 420

tgggaatgag tcaagatatc cttcaantgc tgacggtaat gtttcccccg aagaaaacaa 480

ncaactttaa ccgaaggttg aaagcaaaga agagctganc cggga 525

<210> 6091
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-D10

<400> 6091

cggntcggta ccggtctgac attcccgggc cgacccacgc gtccanggan atcgttgtgg 60

tgttganccg gagtcaccgc gtgaatcatc ctcaccggag agatctgtgc cactccgccg 120

ttccaaccgc caagcaaacc gtaagggaga ctcgtcgaga aaagccaccg agaanggtaa 180

tcgggaatct tctcgtgttg ttatgtgant gtgttatttg attattaaac catgatctaa 240

ataaaaccag ttaaaaccaa tgaatgtttg tttanttaga ggttacntga aattgtgtcg 300

tgaggaacaa gaagatgact tcattcattg gtttagttgt tanagtaccg gttaattgcc 360

aaaccggaag ctatctttca cgtgaatgca tggatccaat tgtggacgta gtgttacgtg 420

tagtaantga atcannattn aantatnana tttggttgga ntaatttaac t 471

<210> 6092
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-D12

<400> 6092

ggtaccggtc acacattccc gggccgaccc acgcgtccac ccacgcgtcc gcggacgcgt 60

gggcggacgc gtgggaaatt ttttcccaat cnatggaagt gcctaatgaa accacgaatt 120

tagccgatct ccggcgacca ttggtggttc cggttgtctc ggagcgtaaa cctccggcag 180

acgtcggact cggactagag agtgttttaa cggagcgtag ccttccgtac cggaggcgcg 240

tgtacttagg ggcatgcata gagatgaagc tacttttccg gttggcactt ccggcgatac 300

ttgtctattt agtcaacagc ggaatgggta tttccgctcg gatcttcgcc ggacatctcg 360

gtaaaaatga nctcgccgcc gcgtccatcg gaaacaagct gcttcaatct cgtctatggc 420

ctcatgttan gtatgggcag tgcagtcgaa acactatgtg gaca 464

<210> 6093
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-017-Q1-E1-D3

<400> 6093

acgcgtccgc tcggagtttc ggcatctctg atattctctc ttattcgtgt ttcagattca 60

ttcgttaaga aagcagatcg acatggcagc tcaaggaggt gattcatatg aggaagcgtt 120

ggctgctttg tcgtctttga tcacgaaacg aagtcgtgct gataagagca ataaagggga 180

tcgctttgag ttagtctttg attatctcaa gctacttgac ctggaagaag acattttaaa 240

gatgaatgtt attcatgtcg ctggtaccaa aggcaaggga tccacatgta cctttacaga 300

gtctattatt cgaaactatg gctttcgaac tggactcttc acttcacctc acctcattga 360

tgtccgggaa agatttcgtt tggatggtgt ggacataagt gaagagaaat ttttgggata 420

tttctggtgg tgctataaca ggctcaagga 450

<210> 6094
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-017-Q1-E1-D5

<400> 6094

acgcgtccgg tttctgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tcattttggt tattaagtaa ttaacttata 120

ctaatcatgg gttttatcga tggaaagtgg gcaccaatga tagtcttaat tgtttctaac 180

atgattgcgg gaatggttaa tgctttagtt aagaaagttc ttgatggagg catcaatcat 240

atggttattg ctacttatcg tttgggtata tctactcttt tccttcttcc agtcgcttat 300

ttttgggaac ggaaaacaag accaaagcta actctaagca tctcatgtca gcttttcgtc 360

agtgcccttt ttggggcgag cttgatgcaa tattctactt gccttggact gtcctacacg 420

tctgcaacgc tggggatctg ctttctgg 448

<210> 6095
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-D6

<400> 6095

tatttagccg nccgtaccgn accnaaaatt cncgggtcna cccacgcgtc cgnggctttg 60

tacggtgaaa aggagtggta ttttttctca ccaagagatc gaaagtatcc aaacggttca 120

agacccaacc gtgcagctgg tactggatat tggaaagcta ccggagctga taaaccaata 180

ggtcgtccta aaccggttgg tattaagaag gctctagtgt tttactcggg aaaacctcca 240

aatggagaga aaaccaattg gattatgcac gaataccggc tcgctgacgt tgaccggtcg 300

gttcgtaaga aaaacagtct aagattggac gattgggtat tgtgtcgtat atataacaag 360

aaaggtgtca tcgagaagcg acgaagcgat atcgaggacg ggttaaagcc tgtgactgac 420

acgtgtccac cggaatctgt ggcgagattg atctccggct cggagcaagc ggtgtcaccg 480

gaattcacgt gt 492

<210> 6096
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-B1

<400> 6096

acgcgtccgn gctctcccaa aaactcatct ctcaccaccg tctcaaacca agttcgatct 60

aaaagccttt tcctttagat tctctccaac aacaaatctc tttgaatcac tcagtcatgt 120

cggttttact tcctctctgt ctgattatct ccatgttcac ctattcaaac gcagcgtatt 180

gtctttgcaa agaggggaac gagcaagtgc ttcagaaggc aatagactac gcttgtggaa 240

atggagctga ctgtacccag atccaaccca ccggagcttg ttaccaacct aacaccgtca 300

aaaaccactg tgacgtcgcc gtcaacagtt actaccaaga aaaaagcttc ttccggtgcc 360

acctgtgact ttaacggngc cgcctccccc tctactaacc ctccgtcaac tgcttcaaac 420

tgtttaactg gttcaaagct ctagtggcac tccctaac 458

<210> 6097
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F8

<400> 6097

cacgcgtccg caaaaacaaa tagaaaaaaa tacaaataaa aaatgtcaac ccaacagatg 60

aaacacactc cacaaaactt gcaacagcaa ggacaaggac ttggtgagca aggaagagac 120

actcaaggac ttggaagcac acaagagttt ggacaacgtg atagacaaca ggatcttggt 180

agccaatttg ataaaactca acaacaagga caacaaggac aacaaggaca acagggacaa 240

caaggtcaac aaggacttca aggtcagcaa cagtggggag gtgctcagca atttgatcaa 300

caaggaggaa agcaacaaga tttgggacaa caacaatttg gatcaactca gcaaaagaac 360

caagactttg gacagagatc ataaagagat gaagcaacga ngcgatgatg atctcccaaa 420

aagaagaaag tctgtttaat tgatgtgtt 449

<210> 6098
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F9

<400> 6098

acgcgtccgc tcttctctgt ttctctctct tcttcttgca gttttggttt ggaagaaaga 60

gaacgaagaa gacgacatct ccagagtttt tggcaataat cttttaagaa atgggaaagc 120

ttttgtgtga ttcaacggcg acatttcaat ctccttcacc aacggttcct tggagagaac 180

cttctacagt cgccgtgtct ctcgaagatg tagatcttgt tgaccaatcc gcggctgctg 240

cggcggtgga cgcggttgag aagacaatgg gccgccgcaa ctaccaccgc cttggggatg 300

aagtttttgg attggaggan gcncaaagac ggcatctgan ccggctanaa gcnanaaggt 360

gtgnttgtgg aaaacatcct gggtaaaaga atgaaacccc cgggcttccg ttcgttttcc 420

ggtcnccncc ncaanggggg gaaaaaggtt tcctccngac ggggaaacng tttggttcaa 480

cc 482

<210> 6099
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-G10

<400> 6099

acgcgtccnc ggacgcgtgg gcaaacgcga gcaagagttt tgagctccaa tggcgacctt 60

gtcgatgact ctgtcaaatc cgaagtcgct ctcagctcct ccacgaagac tttctccgat 120

caatacctcc gctttcacat ctacctcttt ccgattgcgc accaaatctt ccttcgattc 180

aatctcgttc tcgtcttcaa ctcccttctc cgcctcatcg ctcctccttc acacgtctta 240

taccaaaaga aaccaccgct gtttctctgt tcaatccaat gctgaggtgg ttactgaacc 300

gcaatcgaaa ataacacaca aggtgtattt cgatataagt gttggcaatc cagtggggaa 360

gttagctggg gaggattgtt antggattgt atggtgatga atgttcccca aactgtggag 420

aacttcgtgc tccaagcaca ngtgaaa 447

<210> 6100
<211> 472

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-G5

<400> 6100

acaagtcana aattcccggg ncgacccacg cgtccaacaa tatcgatgtg tgattaagaa 60

gagatccaat ttaacattac ccacacaatc atttgattat ttcctcctct ccgtatctgt 120

gtctctcttc tcttgatctt ttagtgttct tgctttgtcg cttcaacgct taagtttgga 180

tttgtgtgag tctgcataat catggcgagg aagatgcttg ttgatggtga gattgataag 240

gtggcggctg atgaagccaa cgcgacgcac tatgattttg atttgtttgt catcggtgcc 300

gggagtggcg gtgttcgtgc tgctaggttt tcggctaatc atggcgctaa ggttggtatt 360

tgtgagcttc catttcaccc tattagctct gaggagattg gaggcgttgg tggaacctgt 420

gttatccgtg gttgtgttcc ctaaaaagat tctcgtctaa ggagctactt ac 472

<210> 6101
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-G8

<400> 6101

acgcgtccnc tcaaaccaaa ggagaatcct ctggaagaaa aagagagttt gaaaatggtt 60

gaagggaagg aagaggtcgt gagggttaag atcaagatga caaagcatga agctcaacgg 120

ttgttgtcga aatgcaaaaa cgacagcgtt ttaaagttgg agcatcttat ggaccagatc 180

gcacacgtcc ctgttcatca gcttcaagtc gctatggtga tggttggttg taataatgag 240

cgacaaggaa atggctgctg gttatcccag ctggaataag ttaatcttga gtttttctat 300

caaattttgt agttttagag tagaaactat ataaatttac gtttgtatat atattttgta 360

acagattaat agaagtaaca tgattttgtg gaatttttt tgttgtcgtc tcataaaaga 420

<210> 6102
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-H1

<400> 6102

naacgggtcg acccacgcgt ccgaagcttc ttagatctat gaattttcaa attcgttgat 60

ccatttttcc gcttcaatcg tctccgatct gatttcatca gcttcgtacc gctccggtca 120

tgaatccatt ctcttccggc acgcgtctca gcgacatgat tcgagctata cgtgcgagta 180

aaaccgctgc tgaggaacgt gctgttgtga ggaaagaatg tgctgcgatc cgtgcttcga 240

ttaatgaaaa tgaccaggac tatagacatc gggatctagc gaagcttatg ttcattcata 300

tgcttggtta ccctactcat tttgggcaaa tggaatgctt gaagttaatt gcttctcctg 360

gatttcctga gaagaggatt ggttatcttg gattaatgtt gcttcttgat gaaaggcaaa 420

gaagtattaa tgcttgtcaa caactcgcct gaagcaagat ttgaa 465

<210> 6103
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-H10

<400> 6103

acgngtccan ccacgcgtcc gctcaaccgt ccgatcatcc atcttgccat caccgttcac 60

caatcttctt cgtctcctct ctctttctct ctttttgctg tttctagctc ctctctctct 120

ggatctcgcc ggcgaaccgt ttctcttggg tgtaaacagt agcaatcaag ctatagaatc 180

tcagatatcg ctgaattagc tgttggattt tatccgcctt ttcttcgtta tccggggctc 240

gggtataagg tttcatcgtc ttatttcatc tgtaaatggg ctgcttccac tcaaaggcag 300

caaaagaatt tcgaggacac gaaagacctg ttaagcttgc ctctgaaaac agcttttagt 360

gtgagtgaag ttgaangcat taanttgagn cattcaagaa cataagcagt ttcggttgtt 420

gatgatggtc tggattaaca agggangagt t 451

<210> 6104
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-H11

<400> 6104

acgcntccgc ttcttcatcc aaaagaatcc aatcttttcc tcaaaagata gtttctggat 60

cgaacgacaa tggagatttt ctactacttg gtgtttgggg ttttgggtct cgtcgtcgcg 120

gcgttggagc ttagcaagaa caacaaggat cgaatcaaca cttcttcagc tttcaattct 180

ttcaagaaca attatctcct tgtctattcg ctcatgatgg cggggtgatt ggttgcaggg 240

tccatatgtg tactaacctt atagtactta tggatttggt aaaaggggga cattgggnca 300

agcttttcaa ttgctgggnt ttgggntccc tcnaaggttg tttgggtacc aaccttgggt 360

ccnctaagcc gacaaaacaa gggtcgtaag aagggcatgt gttaaccaan ngnantaccg 420

aatanattga gctggaacac caaacaatcc ccccaaanat a 461

<210> 6105
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-H12

<400> 6105

acgcgtccgc ccacgcgtcc gttcaggttt gcccattgcg aaggcctatc aagtgggaga 60

gcgcaccaac tttcgcatct ccgtctgcta aaagctttgt gttccctgtg gttagtggtc 120

aaacgatgga actagctata gctcaatttt ggtcaagtgg cctcggaagt cgtgaaccaa 180

ctatcgttga ctttgagatt gaattccatg gagttggtgt cgataaagaa gaattgttac 240

ttgatggaag tgaagcacca ataaaagttg aagctgaagc actattggca tctgaaaaac 300

ttgttcccat agctgtcctg aacaaagata cgagttccat atcaacctaa tgatgcacaa 360

ctgaaagact cctatcaact gggccgttga tagactactg tcggggcaaa cagatactaa 420

cattganctt aacctacaag ttcaaaatta agaaga 456

<210> 6106
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-H8

<400> 6106

acgcgtccgc ccacgcgtcc gcattctcta aattaactca aaggagtaaa taaaaataca 60

aatacaaaat ttatacagaa caacccacaa ttctgtctag tttagttaaa cgtgttaaaa 120

tagtcacgca atgctttttc tatttttaaa aattaataag ctctgacctg tacgcaacca 180

aataaaacac taaaacttat ctgtgatcaa cttagctctg tataaaaatc ttcctcctct 240

ttctttctgt ccaattctct acagagaagt cttagctttt gcaaaatcat taactaatct 300

ctgttttgat gactagataa cttggatgta ggattattat acctaaattc tttctttcca 360

tgcatttatg tcggttttga catctttgtt ctcttaagtt taaaagatat caatattaag 420

ttatcntcaa tctttgacaa ttgg 444

<210> 6107
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-A11

<400> 6107

tcccgggctt ttcccaaata gtacttttt ttttgtttgg ccttcttata gaaagaagaa 60

ctcaaagcac agagagaaga tgagcgaaga acaaccacac gccaatctag cggttcccgc 120

gtttaaaact gagaaagagc ccataacgca aacacgaaat ggtcaaagta gcgtttggcg 180

tttcggtgga agtgataagg cagcgaaagc atccaccgta acgcttagag gtgtcatcta 240

catgctcttc gacaactgcg gcaaagacgt caataagacc attttacccc tcggccacgg 300

tgacccttcc gtctaccctt gcttccgtac ctgtatcgaa gctgaagacg ccgtcgtcga 360

cgtccttcgc tccggcaaag gcaattctta cggtccccgg agctgggatt ctccccgcaa 420

gaacnaaccc gtttgctgat tataatgaan ccgaga 456

<210> 6108
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-A2

<400> 6108

acgcgtccgc agcnactttg gatggaccaa gtccacctgt tggtgcattg agcagtgctc 60

ttagtcggtt acagtctaac ccggctctca gagagttgag agaagtcgca aagggtatga 120

caaagcaaat aggcggacca atgcatcagt tggcggctaa ggtagatgag tatgctcgag 180

gaatgataag cgggactgga tcgtcactgt ttgaagaact cggtctttac tatattggtc 240

cagttgatgg gcacaacata gatgatttgg tagccattct taaagaagtt aagagtacca 300

gaaccacagg acctgttctt attcatgtgg tgacgganaa aggtcgtggt tatccttacg 360

cgggatagag ctgatgacaa ataccatggt gttgtgaaat tttgttcanc aaccgggtag 420

acagttcaaa actactanta agaccaatcc t 451

<210> 6109
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-A4

<400> 6109

acgcgtccgg acanatttgc taaaggctag ggatatctcg ctcgtgaaaa ctcatctcga 60

cctcagttat ctcttatctt ctgttgggct accaaaacga agcagtactt ccattaggaa 120

gcaggaggtt cattcaaatg gtcctgttct tgatgatact ctacttcagg atccagagat 180

aatggatgca attgagaatg aaaagacggt tcacaaaacc atgagtatat acaatgtana 240

tcgttctgtt tgcggtcgga ttgctggggt gattgcaaag aaatacgggg acactggttt 300

ttgctggaca aactgaaacc taaacgttca actgggaaat gctgggcaat ccttttngcaa 360

ttgtttccct aaactccttg gaaattgaaa taataacgtt cttggttggg ttgaanccaa 420

acgaaccaat nttgggaaaa ngggaattgg ccgggaaagg ttaaagttgt naa 473

<210> 6110
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F7

<400> 6110

gtacaagtca tnaaattccc gggncgaccc acgcgtccan gaagcttgta agagcggaga 60

tgcggtggaa cgatggcgac ttcagcggcg tagtcttgag agtctgcctc ctcaccttgc 120

tgatgctctc ctccgtcgcc tcctcaaaaa gcggcttctt ttcccttcgt tactcgaagg 180

attcaaatat tctgtagaga atatagatct ccgaggcaaa agctcagtta acgcagaatg 240

gatggcttac attggaggct tcgttaatct aattactcta aatctttcag attgccagag 300

aatcaacagt tccaccctct ggcctatcac aggattaaca agtttgacag agttggacct 360

ttcaagatgt ttcaaggtta cggatgctgg tatgaagcan ctccaatctg ttgtaaatct 420

gaaaaaagtt gtggatttta cagacaaggt gtcactgaaa gttgggaatt tcccttcct 479

<210> 6111
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-D11

<400> 6111

acgcgtccga ttgatattgt ttgatatcta ctgtagatga ttcgtcttga caaagaggaa 60

ggaggctgct tgacatcgac caccctgaaa gtccttttgg tacaaaggaa tctcctgctg 120

tcgtacagtc ctactttgac aagagaaata tcggatgccg tggtggtgaa ggcgaggatg 180

gacacgacgt cgtttggttc tggctagata aaggaaagtc atttgaatgt ccagtgtgct 240

cccaatactt tgagcacgga ccaccagacg gtcatggtga cgatgaagac caccaccatt 300

gattccggtc ttttcttaac ggcgaaatgt tttcctctat tgtagtgagt tggaataaat 360

aattccccgt tgggtggaaa acactttaaa taatgttttt tttgatcctc caagaaagac 420

accaacaact ttaattggcc tcaagggctc cnaacccctt tttgcctttc cttgagaa 478

<210> 6112
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-D12

<400> 6112

acgcgtccnc ttctttctct cttctattct atctcttaaa ccctagattt gatctgggtn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nntggtcgca tccccttta tccgagaagg atctatccaa atctttgttt gtcgaatctc 180

ctctcatggc taccgttgct cctcctgctg atcaagctac agatctgttg cagaaactat 240

ccttggactc gccagcaaaa gcttcagaga ttcctgagcc taacaaagaa gactgccgtc 300

taacaagtat ggaggcgttg atgttcatgg gcaaagttcc ttcctaagat tgatcttgac 360

aacaaatgcc ttcccaagtg aatgctgctg aaccttcaag tttgctaagg ttcccaatcc 420

ttaacaatcc ctaancagta atacaatggt anaatgggga atg 463

<210> 6113
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-D7

<400> 6113

ngtacaagtc ataaattccc gggccgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnntt cttggaaaac gacgccgagg ctgcctctgc 120

cgccaccgcc gccggaaaat ctacggatgg tgtttctgag tcacttaaca tccaaggaga 180

aatcttatgt ggtggagctg cggcggatat cgccgggaga gattttggcg gcatgaactg 240

tgtgaagcct cttgctgtgg tgagaccagt gggaccggaa gatatcgccg gagcggtgaa 300

agcggctctg aggtcagata aactaacggt ggcggcgcgt ggaaacggcc attctatcaa 360

cggtcaagcc atggcggaag gaggactcgt tgtcgatatg antaccacgg cggagaatca 420

tttcnagttg gttatttatc cggcggtgat gccacngcgt ttgtt 465

<210> 6114
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-D9

<400> 6114

acgcgtccga aaatatgtan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccgctg 120

gacgtcgaaa caacctgcct cgtccaaacc tcagaagacg atgtaaggtc accgcttcac 180

gggctaatat tgaacaagaa ggtaacacag tgaaagaacc cattcagaat attaaagtaa 240

agggatacat aacggcccaa gaagagtttc tggagggcat aacttggtcg agaagtctcg 300

atgacattgc tgatatcccg cggcagatta attgctcgtc gaaccttant aaccgccaaa 360

gactgaacaa ccggaattac ggtnngaaag actacgccac aaacgtngta atggggccga 420

aagccccttg attaagaaag tncgaattgc gaattttgaa gatgcctgaa agaactttgg 480

gaccaagtgg 490

<210> 6115
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E1

<400> 6115

cacttgnccg ggcccggtca aaaataaacg ggtcgancca cgcgtccgcc cacncgtccg 60

cagaatccat ggatcgtgct ttaactccgc gttttgatac tccagctact ctctcccctt 120

tccgataccg atatgggagc tctctggcca tcactcgacg attcgcgccg gcgattgttt 180

gcgcgaaacg atctccgatc gatggagtga gcgacgagct gaatctgatt gcttcacaga 240

acttagatca agctcccgca cgaagactag cccgttccgc ttttgttgac ttgcagcttc 300

agctggatca ctgcttgttc aagaaagctc cgagtgggat cagaacagag gagtggtatg 360

agagaaattc gaaaggggaa gatattttct gcaagagttg gttgccgaaa tccggcgacg 420

aaatcaaagc tgctgtatgt ttctgtcatg gctatggaag cacttgcact ttcctcct 478

<210> 6116
<211> 422

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E10

<400> 6116

acgcgtccga ccacgcgtcc gattcagaga gacacaacac aaccacatca nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag ccaccaccaa aatccttaan 120

acctagactt ttctcttcca tcgatggcgg ctaataacag atccgatcat gggtcagacg 180

aaaacacaag actttacaat ccttaccaaa actacgaagt cccaatcaac aaatctcagt 240

acctttacaa gcttcctacc tcncctgagt ttctcttcac ggaggaggct ttaaggcanc 300

gtagatcttg gggtgagaat ctcactttct anagngganc aagcttacct cggtggctcc 360

gttgccggga gcttctgttg gagtcatcnc tggagtcaaa aacttcgaat ctggcgacan 420

ta 422

<210> 6117
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E11

<400> 6117

acgcgtccgc ggacgcgtgg gcggacgcgt gggcggacgc gtgggggtga ggattattgg 60

cctgaaggaa cttcgagccg ggttagagct gctagagctc ctcaaccagc tggtgagtct 120

tcgagttttc cttcctatgg aaagaatcct ggaagtagga gaaagaagaa taggaaagct 180

actgaggaga atgtgactgt tgaaacgaat gacgaagtat ccgattctga ggatagctct 240

gaagaagagg aaaatgattc ctcggatggg tttgttacct ataagaatga atttgagaga 300

gaagaagagg agactggttt tgaattagac aaaaagcttt ggaaggccac atcctttcat 360

tgattctacg aaaaaagaaa caaattgaaa agacactcac ganccgatga atcnttggtg 420

gaactggaag aaaccggaga aagaacaatg ggtcaaagat ggcaaaag 468

<210> 6118
<211> 448

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E12

<400> 6118

acgcgtccnc tctaatctct ttgccatgga ggtagatcct accgttgaaa ctgatgacat 60

ggctggtaca gacgggatgg atggtttatt ctctgatttg gcaaatgcga ttcctggaat 120

cgatgaggct atgagttttg ctgagatgtt gaagttggtg caaacaatgg attatgctac 180

tattgtgttt gacactgctc ctactggaca tactctccgc ctgttacagt ttccggccac 240

actagaaaag ggactttcga agttgatgtc attgaagagt agatttggtg gcttgatgac 300

tcagatgagc cgtatgtttg gcatgganga tgagttcgga gaagatgctt tgctgggaag 360

acttganggc ttgaaaagat gtgattgaac aagttaatcc gcaattcaaa gaccggatat 420

gactacgttc gtttgtgtcc ncatcccc 448

<210> 6119
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E4

<400> 6119

gnccggtcaa aattaacggg tcgacccacg cgtccgcgga cgcgtgggtg aatttatctt 60

caccatcaca ccaatccaac tccatttaaa ttcacagctc tataagagtc acctagacaa 120

gtcaagagag agagatagtt ctgacttctg acagagactc atggcggaag cttgcggagt 180

gagaaggatt aagctaggaa gccaaggcct tgaggtatcg gcgcaaggtc ttggttgcat 240

gggtctctct gctttctacg gtactcccaa gccggaaacc gaagctatcg ctctcatcca 300

ccacgccatt cactccggcg tcactttcct tgacacctcc gatatctacg gtcctgagac 360

caacgagctt ctcctcagca aggctctcaa ggatggggtg agagaaaaag tggaacttgc 420

gaccaaatat ggaatcaggt atgcagaagg ggaaagt 457

<210> 6120
<211> 472

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-E6

<400> 6120

cgtacaagtc tnaaattccc gggccgaccc acgcgtccan ccacgcgtcc ggcttttagt 60

atttttttca acaatcgctt ttttttttct cgatctccgt gaagctctcg aatctctggt 120

tttgagtttt ggagaatggt gtttttccgc agcgtatcgg cctttactag gctgaggtct 180

cgcgtcggcc aacaatcttc actcagcaat tctgtcagat ggattcagat gcagagctct 240

accgacctgg acctgaagtc gcagctgcaa gagttaattc cggaacagca ggaccgtctg 300

aagaaactga agtcagaaca tgggaaggtc caactgggaa acatcactgt tgatatggtt 360

attggtggaa tgagagggat gactggattg ctttgggaaa cctcattgct tgacccggaa 420

gagggtantc gctttanggg attgtcgaat cctgagtgca gaaaagtata cc 472

<210> 6121
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F10

<400> 6121

gtacaagtct caaattcccg ggccgaccca cgcgtccagc cgagcaactg aagcatgctg 60

aagagcaggt tgatcagaaa acacaaaatc gggatgctct tagagcggat atccagaaga 120

tacgcgcaat atgtaaggac tatgatatca gttacaaggc ggtcatggca gaagagagat 180

ctgcaagaaa agcaatgcat tcaaaacggc aggaaattga ggcccttcag tctatgatta 240

gccgggttaa aagtgctgcg tctgttgatg atattgattc aagggtgcgt aatatggaac 300

atacgatgca gcacacaact ttatctctga atgaagaaaa agtttcatgc gtgaaataaa 360

gcagttgaag caacttcgcg agcagatatc ttcgagtatg ggtaccaaag gatgaantta 420

agcaagcatt ggattgagaa agagnaaaca gaanaacgtt tgaaggtgtt gaggaangga 480

a 481

<210> 6122
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F11

<400> 6122

acgcgtccga tcgagaaaga cgaaacatgg cttcttcttc tacttctctg aaaagaagag 60

agcaaccaat ttcgcgagat ggagatcaac ttatcgttac tccgttagga gccggaagtg 120

aagtgggtcg ttcctgtgtt tacatgtcct tccgaggcaa aaatattctg tttgattgtg 180

ggattcatcc tgcgtactcg ggcatggctg cgttgcctta cttcgatgag attgatcctt 240

cttccattga tgtcctcttg attactcact ttcatataga tcatgcanca tctctacctt 300

aatttctgga gaagacgaca ttcaatgggc gggttttcaa tgacacatgc aacaanaggc 360

catctacaaa ntgttgctta cagattaagt gannngntga gcanagtgtc tgttggaaag 420

atatgttgtt cnaatgaaca ngacatcaac aagtctatgg gacna 465

<210> 6123
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-F6

<400> 6123

tctcnaattc ccgggccgac ccacgcgtcc angcgagacg ggaaantcca tttgttggct 60

tagaagcaag cagcagcttc ggaagcagtg gccgtataat gttcccaaca aaatatgaan 120

gtgttaatna taacnggaag cancgaaggc aatcaangcg catacggtta ccatgcanaa 180

ctacctctag aaccgctgat gaatgttcag acaaaagcag caatggagac atcaactagt 240

tcagggctag ctccanttca gctagaagca ngaagcgcgt ttcagacaag ccgggcaatg 300

tcagggtctg gtaatgttat ggngacatct tcaccanaga gcancttana ctcgcatgac 360

attcacccgt ttaaagtttc gtctgaagca gaggatgcan cgcanctttа atgggttctc 420

ttctgctgtt gggcctgatg ggtcaacanc gaggacaaca 460

<210> 6124
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-D1

<400> 6124

ntttacgtgc caggccggtc aaaataccgg gtcgacccac gcgtccgccc acgcgtccgc 60

cgaaagttct catggcgtcg aagcaaaaat tctgactcgt tgatccataa agcgaactct 120

ttctcgctct tagtttctgc atttcgtcta tcaaaagtag gattatacac tttttgtttt 180

tgtttttgtg aaaccctata cagttcgatc taaaacccta aaaagatggt gaaaccttcc 240

gatttcaaag cagttcacaa acttattcaa ttgcattaca gtcgagtcaa cctgttcaca 300

acgacgggat ggtcaaaact ctcagctttg tcttctccgg ctcttccttc aaatggggtt 360

tctcagcttc agcctaagtc tggtttccac accttctcgt cgagacccac ttcgaaaaac 420

tttggcttat cccagattct tcctctaatg gggtttctca gcttcaacct aagacaattt 480

c 481

<210> 6125
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H1

<400> 6125

acgcgtccgg tgccattttc aagcntttcg accggtcaac ccagaagatc caccgctaga 60

tccatttctt gttcacacat tgacaatacg ctttgagcct aaaagacaga ggcctgttga 120

tggacttgct ggtgcgcaac aagatttgag aagttttagc cttgtatttg agtacataaa 180

agctttgcct gcgggtcaag aaacagactt tattctggta tcgtgtactg gttcgggagt 240

agaagccaac agaagggagc aagtgttgaa agctaanagg gctggtgaag attctttaag 300

gagatcaggc cttggataca caatcattcc gtcctgggtc ccttgaanga ggaaccangg 360

cgggcaacga gctctgatat ttgatcaang aaacaagaat ttctcagggc attantttgc 420

g 421

<210> 6126
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H11

<400> 6126

acgcgtccga aaagcttgaa cactccattg ttctctactc taccactatc tcacagagat 60

tcatggatac gatgcgaatc tccggtgtat caaccggagc tgaggtttta atacaatgca 120

attccttatc aagcctcgtt tctcgtcgtt gcgacgacgg aaaatggcga acgagaatgt 180

ttccggcgag aaacagagac ttgcgtccat cgccgacgag aagatccttt ttgtcggtga 240

aatctatctc tagcgaaccg aaagccaaag taaccgacgc agttctcgat tccgaacaag 300

aagtgtttat tagctcgatg aatccgtttg cgccagatgc tgcttcggta gcttcgagta 360

tcaagtacca cgcggagttt acgccattgt tttcaccgga gaagtttgag ttgcaaaggn 420

gttcctttgc gactgcgcaa agtgttagag atgcttggtc atgnaattgg 470

<210> 6127
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H2

<400> 6127

gccgggcttt taccgggcca nagattcncg aanaccgacc cacgcntccn accacgcgtc 60

angtctagct tgaagccttt agccatggcc gattcttcct cttctaccat tttctcccat 120

ccttccatct cctctaccat ctcttcctcc agaattcgca gctccagtgt ttccctcctt 180

accggacgca ttaacctgcc cctctctttc tctcgcgtct ctctatctct taaaaccaaa 240

acccacctta aaaaatcccc ctttgtctcc ttcgttgccc agacttcgga ttgggctgaa 300

gaaggtggag aaggaagcgt cgctgttgag gagaccgaga acagtttaga gtcacaagat 360

gtgagcgaag gagatgagaa gcgaangana tgcgagcgaa atgagatgtg agcgaangga 420

gattgagann cganngagat gtgagcgaag ggagctgtga gcgaaagaag ctgaattcnc 480

gggagcaacc gggaagaan 499

<210> 6128
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H3

<400> 6128

taccgggcca naaattcccg gaaccgaccc acgcntccga tcaaatacaa gtgcaaatcg 60

tgagttaagc agaagtattc tggtagaggt tctactggga gaggggatta tcttggtagt 120

tctgacgaca aggttagtga tagtatgtgg acttcagcta gagaaagaga agtgcaacca 180

tctttaggct ctgagaagcc aagatctgtt tcaattcctg aaactcctgc cagaagttct 240

cgtgctattg caccaccagn nttatctcct aggattgcct ctgaaatttc aatggcacct 300

cctgctgttg tttcgcagcc tgttcccaag tcaaatgatt cagagaaaat atggcattac 360

aacgacccat ctggtaaagt tcaangacct ttttcgatgg cgcanctccn taaatgggaa 420

caacactggg tacttcnctg ctaagttggn aanccnggga aagcaatgac ccaccgttg 479

<210> 6129
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H5

<400> 6129

acgcgtccgc ccacgcgtcc ggtttacatg gtgctcgaca ccggcagcga catcgtctgg 60

ctacaatgcg ctccttgtcg gagatgctac tctcaatccg acccgatatt cgacccgaga 120

aaatccaaga cctatgccac aatcccctgt tcttcacctc actgccgccg attagactcc 180

gccggatgca acacccgtcg taagacttgt ctctaccaag tctcttacgg agatggttct 240

ttcaccgtcg gcgatttctc caccgaaacg ctaactttcc ggcgaaatcg cgttaaaggc 300

gttgctctcg gatgtggcca cgacaacgaa ggtctcttcg tcggagccgc cggtttatta 360

ngactcggta aaggtaaatt atcgttcncc ggtcaaaanc ggtcaacggn ttaatcagaa 420

attctcttan tgtttaatc 439

<210> 6130
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H8

<400> 6130

tcccgggccg acncacgcgt ccaaatggag tcaactccca agacaaaacc tatcaacatt 60

aaatgtgatc ctacaaaacc tagttctgct tggaactggt tggagaggtg gatgtctgtt 120

ccaaaacctg agaagacttc taaagcaaat ttgacaacgg aagagcaaaa tttggaagaa 180

acacagaatg ttaaaatatc acctcaagct gactttgtga attctgactc aacggtagag 240

aacaaaactg aaactgatat gccaagctat gaagcaagta aggtagaagg tcagaatgtg 300

gagctatctg agacagagaa aatgagccaa tatgattcac cagaagcatc agcggaggtt 360

tattatgact caatccagtc tcagccactt gctgctaaac caagattcnt tgctcgaaga 420

gcctgaatat gtggatggac anattaaaca ttct 454

<210> 6131
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-H9

<400> 6131

tcctcttctc tacctctntc tcttccgttt ccactccgat ctcttactag taccactcga 60

tctctaccat ttcaatgttc tcctctcttt ttctctattc cttcttcaat cgtttgnntc 120

tccactcaaa ntcccgaccg cgaagaggtc cggtggctcc gggaagagca gagatggatt 180

cgcgaggagc aacgatggat tcgtgaagaa cagagatgga tacgcgaacg tgaatcgctt 240

ctacaagaga tttcggatct acagctcaga attcaatccc tagagtcacg aaattcgcaa 300

ttggggaatt ctattcccga tacgatttcg aatatcgctg ctttgcttca ngttttgnag 360

ggagaagaat cggntttctg ganagtggat ttgagcgcaa cggcgatggt anttggngaa 420

gtncgagagg aacaanttgt tgacggangt ggggaggaag aggaagaagg cngagtggat 480

tattgctg 488

<210> 6132
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-A1

<400> 6132

cgggcnttaa ttgcatctac gacagtcgta ccttttgcta ggttatcgtc gtcatgatgc 60

agcagccacc tccagcttcc aacggtgctg caacagggcc agggcagatt ccttccgacc 120

aacaagctta cctcnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctgcaccgtc ttctggtcaa ccacagcagc 240

agcagtatgg tggtggtgga tctcagaatc caggatcagc tggtgagatc cggtccctgt 300

ggatcggtga cttgcagcca tggatggatg agaactatct catgaacgtc tttggtctta 360

ctggcgaggc tacagcagct aaagttattc gcaataaaca gaacggatat tcagaangtt 420

atgggcttta ttgangtttg tgaaccaatg ctaca 455

<210> 6133
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-A10

<400> 6133

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gtgttcattt gtctggtggt gagccagctt ttgataatta tgacactagt ggtcctcaaa 120

atgttaatgc acacattggg cttgctaagc taaggaagga gtggattgat cgtcgggaga 180

agctaggaac accaagatac actcaaatgt actacgctaa gcaagggatc ataactgagg 240

aaatgctcta ctgtgctact agggagaagc tagaccctga gtttgtaaga tcagaagttg 300

cacgaaggac gggcgattat cccttccaac aaagaagcat ttggagctgg aaaccgatga 360

ttgttgggta aaaagttcct ggtcaaggtc aatgcgaata tccggaaact ccgctgttgc 420

caactccaat tgaagaagaa atctacaang gtcaatgggc aaccat 466

<210> 6134
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-A11

<400> 6134

cttctacgtt gcccnggccc ggtcanaaaa tanacggggt cgacccacgc gtccgaggaa 60

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ccttaccgaa caacgcagga ggttggtgta accctcctca gcagcatttt gatctctctc 180

agcccgtatt tcaacgcatc gctcaataca gagccggcat tgtccccgtc gcttaccgaa 240

gagtgccgtg cgtgagaaga ggaggaataa ggtttacgat aaacggacac tcttacttca 300

acctagttct gatcactaac gtcggaggag ccggagatgt tcactcagcg atggttaaag 360

ggtcaagaac tgggatggca ancgatgttc aagaaactgg gggaacagaa ctgggaanag 420

taactcctaa ccttaanggg naaaccnctc ctcaattcaa aagttttcaa caaagcgatg 480

gncaaaacca antgtctcct aacaacgttg ctaacgcaag gctgggtcct 530

<210> 6135
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-A2

<400> 6135

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gagcttttga atctcttgag atggttgcct ggttacnaag nttcncaagt gaacttcaag 120

gganaaaagc ccanggggnt tgctcctttc tccaaanctc aatttgcaat ggnanccaaa 180

gataccttc aacananggt gtttgatgct gagtcaaagt ctgtgataca tacagagatg 240

gccaagaaga atctttttgt taaaagaggt attgttgggg attcaaatgc ttatgatcaa 300

agtaagcgcc tacgaactgg tggtgactgc acacactctg tgtatagtcc atctcctttc 360

catcctccac ctcctcctgt gtggggacct cctcatggat atatggcacc tgcanctcca 420

ccatatgatc 430

<210> 6136
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-A9

<400> 6136

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caaggcaaag aggaagaaca agaagaaagc agaggcgtct tcttccgaga taccatcgat 120

accaactagg gtttggcaac caggtgttga taccttgaa gatggagaag aacttcagtg 180

tgacccttct gcttataatt ctctccatgg cttccatgtt ggttggccct gtctgagctt 240

tgacatttta ggtgataagt tgggtttgaa ccgaactgag tttcctcaca cactttatat 300

ggtggctggg actcaagctg agaaagcagc tcataactcc atagggttat ttaaaatcac 360

caacgttatc tggtaaagan acttnatgtt tgtgcctaaa gacanttggc aatgggtgan 420

gatgaaggat gaaggatgac gaaagatgac ngttgacagc gaatgatnaa tg 472

<210> 6137
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-015-Q1-E1-B11

<400> 6137

cccggtcaaa gaatanacgg gtcgacccac gcgtccgcaa gaaacgcgga ttaaagcccg 60

cgaaacagcc ttggcttaac ctttacaatt actacccacc aaaatacgca aactccaagc 120

tcaaatacac agaccaattc agatttcttg ataaagccgc tatcttgact cctgaagaca 180

agttgcagcc agatggtaag cctgctgatc cttggaagct ctgtacaatg caacaagttg 240

aagaagtgaa gtgcatcgtg agagtgcttc ctatatggtt tgcatcatca atttactact 300

taaccataac tcaacaaatg acttatcccg tcttccaagc cttcagaagc gacgtcgcta 360

aggccaagag gtttgtgatc ccgcagcact agtggtttct gatacggatg aagtttcacg 420

atcacacgtg actgtgcaca tgaaaaatac tggctaacac gg 462

<210> 6138
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-G8

<400> 6138

acgcgtccgg tgggtttcga tggggtcagg tgcatcgaag aatactgagg aagatgacga 60

tggttccaat ggcggaggtg gtcagctcta cgtttcactc aaaatggaaa actctaaggt 120

tgaaggagag ctcactcctc atgtctatgg ctctcttcct ctcatcggtt cctgggatcc 180

ttccaaagct cttccgatgc aacgtgaatc tgcgttaatg tcggagctaa gcttcgttgt 240

tcctcctgat cacgagactt tggacttcaa gtttttgttg aagccaaaga acagaaatac 300

gccctgcata gtggaggagg gtgaaaatag gcttcttact ggtggttcgt tgcaaggaga 360

tgctagatta gctctgttta ngctggaang tgatgtgatt gttgaattcc gagtcctcat 420

caacgctgac agagtt 436

<210> 6139
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-B8

<400> 6139

cgccggncca agtaccggtc anacattccc gggccgaccc acgcgtccna tcagattgta 60

aatttaggga agagactttc gcaagcaatc tagaagcaaa tcgatcgcca aatctccgga 120

ttatttgcaa gaatcgttcc cagataatct tccccagatt ctccacttct ccagcttgaa 180

gaagacgacg aagatatggc tacttcgaag aaaatgatca cacgtgaaga atgggagaag 240

aaactaaatg ctgtgaagct taggaaagaa gatatgaata ctttggtgat gaattttctt 300

gtgactgaag gatatgttga agctgctgag aaattccaaa gggagtctgg aaccanacca 360

gngatagatc ttgcgaccan tactgatcga atggctgttn gnnaggctgt tcaagaacgc 420

gcnntgncga ngatgcgatt gnaaagagtt taatggattt tgaancctgg 470

<210> 6140
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C10

<400> 6140

acgcgtccgc gtaagtgact tgagtcaaaa gtttttactc gcaatgaaat atttcgaaga 60

gccactagag gagctcctcg tgacaatgag accagactgt cttgtcggta acatgttctt 120

cccttggncc actaaagttg ctgagaagtt cggagtaccg agacttgtgt tccacggcac 180

aggctacttc tctttatgtg cttctcattg cataaggctc cctaagaatg tggcaacaag 240

ttctgagccc tttgtgattc ctgatctccc gggagacatt ttgattacag aggaacaggt 300

catggngaca gaagaagagt ctgtantggg gaggtttatg aaggcaatng agactcagag 360

agagatatct ttggcgtgtt ggtganacaa cttctacgag cttgnacaag gcttactcag 420

gantattttc nngagctttg tggggaagaa gngcgtnggc atatcggtcc gcct 474

<210> 6141
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C12

<400> 6141

acgcgtccgg cggaattcga tggtggatgc gattcaagta gctgagctga gaagattcgt 60

cgagcagttg aaattgaatc cttcgattct ccacgatcct agtctggttt tcntcaaaga 120

atatctccga agtttaggag ctcaagttcc gaagattgag aaaactgaaa gagattatga 180

agataaggct gagacaaaac ccagtttctc tcctaaacnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcctcc 300

tcagccgatg ggagacccta ctgctgaagt gaccgatgan natanggatg atgctcagtc 360

agaganagaa gcaacctatg gaaggcantc ctctgatggg aagtttggcg anagctatag 420

cagcatctac caaaagnt 438

<210> 6142
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C2

<400> 6142

ttacgccgcc ctttaccggc caanaattcc cggatcgacc cacgcntccg taaaatggtt 60

atcaatcatt tggacaaact gtttgtcaca aatgacgctg ctactatagt gaatgagctc 120

gagattcagc acccggctgc taaacttctg gttttagctg ctaaggctca gcaagaagaa 180

atcggagatg gagctaatct gacaatctcc tttgctggtg aacttcttca aaacgctgag 240

gagcttatca ggatgggact tcatccgagt gagatcatta ctggatatac taaagctgtc 300

agcaaggctg ttaaatactg gaacaactgg gttgagactg ggttctgaga ccatggatgt 360

acntaacaag gatgaagtta tttctcggat gagagcanct gttgcaagca aacagtttgg 420

gcaangagga aataatttgc cccttagtta ctgacgcatg tattcaaagt ctgcccaacg 480

aatccn 486

<210> 6143
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C6

<400> 6143

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gaattcgttt tgtcgccgtc ggtaatggcg aaaaattaca cagtcgccga tgtcgtaaat 120

atcgacagtg acagtgacag tgacgacgac aacggaggag taataggaat ggttccgagc 180

ttggcatctc taatagagaa tcagaaagtt tcgatcgctg atgctgcgac ggtggctcct 240

cgagaaaccc tagagtgccg aagtttctgg aaagccggcg aaaactttgt gatcccttca 300

agtgttactc taactgccat aggtatggtt gagcatgctc gtgttcatcc aanagtttct 360

tcactcgaat gctacttcac ataaatgggc tttggagcaa tcgccgagct acttgacaat 420

gccggttgat gagatac 437

<210> 6144
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C7

<400> 6144

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gatattgtcc tcaccgagcc aggtctcagt gtgatcatca gcgcggttct aaccagtaga 120

gccatcttcc agagaatgaa gaactacaca atatatgcag tctcaattac cattcgtata 180

gtgtttgggt ttatgctcat tgctctaata tggaagttcg acttttcacc attcatggtt 240

ttgatcattg ctatattaaa cgatggaacc atcatgacta tctcaaagga cagagtcaag 300

ccttctccaa caccagatan ctggnaactc aaagaaatct tcgcaaccgg cgttgttctt 360

ggaggctaca tggctataat gactgttgtt ttcttcnggg ccgcatacag aaaccgantt 420

cttcc 425

<210> 6145
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-C8

<400> 6145

attcccgggc cgacccacgc gtccagttag aatcaaagaa accgcttcaa ggatggtgag 60

tgaaggagca acaagaaaag aacttaacct ctgtttcgag aatatgaaga tggaaggagt 120

tttgatctct gagtggaaag atatccctgt ggagcttctc atgaagattt taaaccttgt 180

tgatgatcgg actgtgatca ttgcttcttg tatttgtagt ggctggagag atgctgtttc 240

ccttggcctc actcgcctct ccctctcttg gtgcaagaag aatatgaaca gtttggttct 300

atctcttgct cccaaattcg taaancttca gactttanta ctgcgacagg acaaaccgca 360

cgcttgagga caacgcggtg gaagccatag caaatcantg tcattgagct acacnatttg 420

g 421

<210> 6146
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-D2

<400> 6146

ccggnccaag aattcccgan aacgacccac gcctccggcg ataactnggt ttctctcctc 60

tctctcatct ctctttgttt cgacccttt ttagtatatt tccaggaaat atcttcttcc 120

tcctttcgtt ttctctatct cagttttctc tcntctcagc attaagtagt caacggtcag 180

cgatctcggc gttccttcta atcggaaaag tctagcttca gtttcttttt tttttgcttt 240

tttggtttcc gcgattaatc gatttgggta ttttgatttt ctcttcaaat taagtcaacg 300

ggtggatacg cgttganagg gcttttctcg tattctgcnt ctaatttcat catcttggga 360

ntaccttgtg tgggtggtan cttaatcgan ggattcgang atccnnttta acaggggggtt 420

taacaatgat ggantttctc tgantaaggg ataagttcga 460

<210> 6147
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-E11

<400> 6147

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tctccagctg ctgctgcttc cgtctatgca gtcactcaaa cctcctcgca cttcccaatc 120

caaaaccgnt ctcgcagagt ttctttccgt ctctctgcta agcccaagct tcgctttctc 180

tccaagccta gtcgcagtag ctaccctgtg gtgaaagcac aatctaacaa ggttagtact 240

ggtgcatcat caaatgctgc caaagttgat gggccatcat cagctgaagg aaaggagaaa 300

aactcattga aggagtcgtc tgcttcttct cctgaattaa ctacagaana gtctatttct 360

gagttccctt acccaagttn ncanntcttg tcnngcttgt ggggttcaag gangacattg 420

tttggt 426

<210> 6148
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-E4

<400> 6148

tacgccgncc ttgtaccggc caaaaattcc cggntcgacc cacgcgtccg ctttcttcac 60

tgtagaatcc gtcgaccaaa caactagctc caatggcata atgagcattg tagtttgcaa 120

tttcttcttc cgtgaagaag aagaagatgg ctttggagaa agaggaagaa gcgtcacaaa 180

acggtgcgtt ttgtgtcctt gatgggctct attgcgagga agaaaccggg tttgtggagg 240

acgatcttga tgacgatgga gatttagatt ttctcgagaa atctgatgag agtgttgtaa 300

agtttcagtt tttacctctt ttggatatgt tcttatggga tgacgatgag attctgagtt 360

tgatttcaaa ggaaaacgaa acgaatccnt gttttggggg aacanatcct agatggcttt 420

ttgggtttct tgtaggaaag aagctttagg attggggtct tagggttaaa tcnca 475

<210> 6149
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-E6

<400> 6149

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accaataaca ataagaagac gaatggcgtc ttcgtcgttc tcagtcacat ctccagctgc 120

tgctgcttcc gtctatgcag tcactcaaac ctcctcgcac ttcccaatcc aaaaccgctc 180

tcgcagagtt tctttccgtc tctctgctaa gcccaagctt cgctttctct ccaagcctag 240

tcgcagtagc taccctgtgg tgaaagcaca atctaacaag gttagtactg gtgcatcatc 300

aaatgctgcc aaagttgatg ggccatcatc agctgaagga aaggagaaaa actcattgaa 360

ggagtcgtct gcttcttctc ctgaattagc tacaagaaga gtctatttct gagttcctta 420

accaagtaac anctcttgtc aaagcttggg ggantcaaag agacattggt gaggttgcaa 480

tttggaaana ac 492

<210> 6150
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-E7

<400> 6150

agcagcntta ccgggccaat accggtcana aattcccggg ccgacccacg cgtccnnttc 60

ttctctgcag tctctcttct ctctgttttg ccttgctctg ttctctcttc ctctcatcgt 120

ctcctccatc ggcatcaact atggncaggt cgctaacaac cttcntcccc ctaaaaacgt 180

catccctctc ctcaagtctg tgggagctac aaaagtcaag ctctatgacg ccgatccaca 240

agccctacgt gccttcgccg gctccggctt cgagctcacn gtggccctcg gtaacgagta 300

cctggctcag atgagcgacc ctattaaagc ncaaggctgg gtgaaggaga acgtccaagc 360

ttacctccca aacaccagga tcgtggccat cgtantggga aacgaagtcn tcanctcang 420

tnanntcaan cntcagngaa tcccnncttc ccggctaggc aagagcantc a 471

<210> 6151
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-F1

<400> 6151

tttacgccgc ccttgtaccg ggccaaaaat tcccgantcg acccacgcgt ccgnccacgc 60

gtccgcttta gctatttctt ctgtggaggc taaggaggat agacaaggga agaaagatgt 120

aaagattaaa gtagcggaaa agaaagttcc taaacatgtt cgagagaagc aagagactct 180

tgcgcggtgg annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngattaggca 300

gaagagaaag atcaggaaaa tggagaagaa gcaagaaggc ctgattctaa cagcaaagca 360

aaagcgtgat gctgctaaga atgaggcttt cagaaaaagg gtgttgactg atgctggaag 420

tcttcttgtt gcagataaaa acggtgattc ctcaaaaacg tcccatatat nggaattaaa 480

a 481

<210> 6152
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-F6

<400> 6152

acgcgtccgt ctctctctct atttccgcag acatcaattc ccctttttga ctaaaattcc 60

gcgacttggg ctttgatcca ttcccagtga atctcactgc ttttctcaca gaaaaaaatc 120

actccttttt cctggatttt gttttctcga ctgatttggg gaaaagctat ggtggtctga 180

ttaatctctg tctgtctttg gtgagatggg tttggatgct gttaaagcta aagggaattg 240

gaaatcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngtggttgct gggtcaaatt 360

taggtttatg attggttgca tacctcaaaa tcagaccttg atgcgtcttc ttccttctaa 420

ccatgggctc 430

<210> 6153
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-B4

<400> 6153

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tgttttctgg gattatccaa agagaagaaa cagaggaaat caatctcttt tttagtttca 180

gaccctaaat cctaggtttt gaagttttgt ttctttagta attttgtcag gttttgtgtc 240

tggtgttggg atttttcgga gcttggtttc ttgaaccagc tccattttct aaaaattcct 300

tctttanatc cccattgttg tnantcttaa agaaaaanga agnatgactt gttgtttctc 360

ttgtttgaat cctcgaacca agcgacataa ggagtccgac attgataacg nccngangca 420

acctcgttan caaaacnctn taatcaatnc aatggaagtt 460

<210> 6154
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-F5

<400> 6154

ttactcgccc gttcngtaca nagtcagcaa attcccgggc cgacccacgc gtccaaagaa 60

ctaagagctt tactacagtc ctactctcta cacatcttct ctctctctca agagctagtc 120

atggccaaac tcataacttc ttttctctta ctcacaattt tattcncttt cgtttgtctc 180

actatgtcaa aagaagctga gtaccatcca gaaagttatg gaccaggang tctganatca 240

taccaatgtg gaggacaatg cacaaggaga tgtagcaaca caaagtatca taagccatgc 300

atgttcttct gccaaaagtg ttgtgctaaa tgcctttgtg tccctccagg cacgtacggc 360

gacanacang tgtgtccttg tntacaacna ctnggaagac tcaacaaggg tggtcnaa 418

<210> 6155
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-G10

<400> 6155

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gaagaggatt catcatcatc aatcaatcct tcatttttatg gatctactca tatcttgatt 120

cttccttcta tctctccctt ttcttccatc tctttttctc tgggtttccc cggattgagt 180

ttttttaatct ctgattgaca gatttgaaga gcgtgacaaa ggaagaatct tttattaaaa 240

caaattcttc tgtttttaatc ttgggatggc ctcggtgggc atagagccta gtgccgcggt 300

tagagaatct actggaaacg ttactgatgc tgatagatta cccgaggaga tgaaggacat 360

gaaaattcaa gatgataaag aaaatggaag ctacgattgt taatggcatg tgactgagac 420

tggccatata atagtaacta ctataggagg aagaaatggg caaccaaaac a 471

<210> 6156
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-G8

<400> 6156

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aacatattct ctgctgggta ttagattcga atttctcttt ttgtgatcag aaatggatcg 120

agctccggtg accacaggac cgttggatat gccgattatg cacgacagtg atcgatatga 180

cttcgttaag gatattggtt ctggtaattt cggtgttgct cgtcttatga gagataaact 240

cactaaagag cttgttgctg tcaagtacat cgagagagga gacaagattg atgaaaatgt 300

tcaaagggag atcattaacc acaggtcact aaggcatcct aatattgtca gatttaaaga 360

ggtcattttg acgccgactc atctggctat cataatggaa tatgcttctg gcggtgaact 420

ttacgagcgg atttgcaatg cangacg 447

<210> 6157
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H2

<400> 6157

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attgcaattt ttctaaatcc ggcgattaaa tatgggtttc atagtcggcg ttgtaatcgg 120

actcctcgtc ggaatcgcaa tcatcatcgg ctttgtcaag ttggagaatt ctcgatccaa 180

gcttcgctct gaacttgcga atacggtggc tgcttttgcg aggatgacgg tggaggattc 240

caggaagctt ttgcctcctg agttttatcc ttcctgggtt gtcttctccn agcgtcanaa 300

gttgacttgg ctcaaccatc acttgacana gatctggcct tatgttgatg angcagcctc 360

tgagcttata aaggcatccg tggagcctgt tcttgagcaa tatagacctg ccattgtggc 420

ctccttanca ttttctaagc ttactctcng tacagtggca cctcaattta caggg 475

<210> 6158
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H3

<400> 6158

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ctctgttgat tagtcaacac agatcagaat ctgaggcttt ggccgagacg agagaagcag 120

aagaagaaaa tggcggagac tgtacattct ccgatcgtta cttacgcatc gatgttatcg 180

cttctcgcct tctgtccacc tttcgtcatt ctcctatggt acacaatggt tcatcaggat 240

ggttctgtta ctcagacctt tggcttcttt tgggagaatg gagttcangg acttatcaac 300

atatggccaa gacccacttt gattgcttgg aaaattatat tttgctatgg agcatttgaa 360

gctattcttc agctgcttct gcctgggtaa angagttgag ggtccaatat ctccagccgg 420

aaaccgacca gtttacaagg gcaatggtcc tggctgctta ctttgtgaca c 471

<210> 6159
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H5

<400> 6159

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ctcttgtttt attcctccaa ctttttttcca tcctaccatt agcacttggg ttgaaccacc 120

caaattgtga cctgaccaag actcaagacc aaggctctac cctaagaatc ttccacatag 180

acagcccttg ctccccttc aaatcatcat ccccactctc atgggaagcg cgtgtgctcc 240

agacgctggc tcaagaccag gcccgtctcc agtacctgag cagcctcgtc gccgggagat 300

ctgtagtctc cattgcctca gggcgtcaaa tgttgcaaag cactacatac attgtcaagg 360

ctttgatcgg tactccggct cagccgctgc tcctagccat ggacacgagc agtgacgtgg 420

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<210> 6160
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H6

<400> 6160

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cgtccgaaaa aaatgagtca acacaacatc ttagaagctc taaatgtccg ggtcgtgggt 120

acgggtgatc ggatcctgtt tttggcccat ggattcggta ctgaccaatc agcttggcac 180

ttgatccttc cttacttcac tcaaaactac agagtcgtcc tctatgacct agtttgcgcc 240

ggcagtgtca accccgatta cttcgatttc aatcgttaca caactctcga tccttacgtc 300

gatgatcttc tcaacatcgt tgattcactc ggaatccaaa actgtgctta cgttggtcac 360

tctgtttccg ctatgatcgg aatcatcgct tcgattcgtc ggccggngct tttctccaag 420

cttatcttga tcggattttc gcctangttt ctcaacgacg angattatca tggag 475

<210> 6161
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H7

<400> 6161

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tctccgattt ggaaatccgg cgacaatggt gagagatatt gaagatgaga ttngagacga 120

gaagaatcct cgtcctcttg atgaagatga tatcgctctc ctcaagactt atgggttagg 180

gccttactct gcacctatca anaangtgga naaagaaatt aaggatctcg ccaagaagat 240

caacgatcta tgtggtatca aggagtctga tactggttta gctcctccca gtcaatggga 300

tcntgtatct gataancaaa tgatgcanna agagcancct ctgcaggttg cganatgcac 360

acngattata acgtccaaac actganagac gccanatacg tcataaatgt c 411

<210> 6162
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H8

<400> 6162

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aatggctcct tcaagcgtcg ttagggttta ctctaccgct acctctcctt ctccttctga 120

aatttccgtc aagaaagttg gtactcataa tggaagcttt cactgcgacg aagctctcgg 180

ctgtttcatg attcgcctcg tcgataaatt ctccggcgct gatatcgtcc gttctcgtga 240

ccctaagata ttggcagaac ttgatgcagt gcttgatgtt ggaggtgttt atgatccgga 300

gcatgaccgt tatgatcatc accagaaagg ttttgaagag gtttttggac atggcttcaa 360

cactaagctc agtagtgctg gtcttgttta caagcatttt ggaaaggaga tnatanctaa 420

ggaacttaat gtcgaacaag at 442

<210> 6163
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-H9

<400> 6163

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntgag gccattgagc attaaaccaa 120

catcgttaga tgtagctaga catgccacat cagtagaatc atttgggaat caccgaccgc 180

cgatatcgcc gtggcactca ccggtgccgt acctattcgg tggtcttgcg gcgatgttag 240

gcctcatagc cttcgcttta cttatcctag cctgctctta ctggcgcttg tcaacctccg 300

gtgatgactc cggcgaaaga gtcgacgagg aaaaagagag tcggtctgga gtgaaggcgg 360

ctagcgcggc gtgcgaggag aaggttcttg tcataatggc cggagatgac ttgccgaggt 420

ttctggccac gccggcggcg aac 443

<210> 6164
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-A11

<400> 6164

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tcaatgacgc caatctcgtg ccctacgact cctcgttgga accaagacag accntttctc 120

actggtcgcn tccatcagga aacgagggca agctccaagt ttgctgattc taagaggttt 180

actttagact cgtctagttc tggagtagag caggcaattg gctgctatga cacaccggtt 240

caggagctta tcgtcattga tgatctctta tctgcgttgg ttggaattga agggagatat 300

atttcaatta aaagattcca tgggaaggag gatantatag ctttccaagt tgatccatca 360

atggatttgg nantacagga attggcganc annatatttc ctttatgtga ataattanc 419

<210> 6165
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-A8

<400> 6165

acgcgtccga gccaatcgaa tccttttcaa cccgacgggt cgtgaaattc cccaaaagat 60

tcctctttct cagctcaatt tccaaaagct ccgaccttta cgatcctcta gattctcggc 120

gccggtttct cggagtaaat aatggctcag ttcacgggtc gggtcgttgg agactacttg 180

gtgggtcgtc aaatcgggtc gggttcgttc tctgttgttt gggaagcgag gcaccgcgtt 240

gacggtactg aggttgctat caaagagatc gccatggaca ggcttaacaa gaagctgcan 300

gaaagtctca tgtctgagnt ttttatcttg angangatca atcatcctna catcatccgt 360

ccgatnaaca tgataantct cctgggaaaa gtacattngg tggttgg 407

<210> 6166
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-B12

<400> 6166

ttnactggcc ctaggcctcc ggaattcccg ggncgaccca cgcgtccgcc gagctagcta 60

taagaactcc ggtgaagccg attgttcgat gacgaagttt cgaatttcca gagaagcggg 120

tgaggtcttc aattacggcg gacgaggcga angaggattg attactcanc atcacagaag 180

aaaaaaggca gtcctgcatg cgaagaagag gtgtgatcgc gatttttttgt tttatcaaat 240

tggttacaaa ggagagaaga tgcgtcaaca gagattcgga tatcgaaaaa cagagattct 300

atcatcagat tcgtcaatgg agatacctgt ttgtcgaggt ctggaagctg attttanagg 360

taaggangat ggcgaatgaa acggggttgg ncntcactga gcagattant actttggagg 420

aacnaggtat tagacanggc accggagana aatcctttac agcatctcac tccggataca 480

cnnnttnnca ttgggncgtc catcccaacc cgacntaat 519

<210> 6167
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-B2

<400> 6167

acgcngcgct gtaccgggcc ntnacattcc cggnncgacc cacgcgtcca ntttgcttca 60

atcttcaaca actttctttt tataaagatt ttgcaagtta agtgtaaacc tacaaaaacc 120

aaacatggtg gttttgccac agccagtcac tttagataan cacatctccc taatccccac 180

atacaaaccg gttccggttc tcacttccca ttcaatcccc gtcgtcaacc tagccgatcc 240

ggaagcgaaa acccgaatcg taaaagcctg cgaggagttc gggttcttca aggtcgtaaa 300

ccacggagtc cgacccgaac tcatgactcg gttagagcag gaggctattg gcttcntcgg 360

cttgcctcag tctcttaaaa accgggccgg tccanctgaa ccgtacggtt 410

<210> 6168
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-013-Q1-E1-F4

<400> 6168

attaacgggt cgacgcncgc gtccggtgcc antttttctt cctaaatcct ctctctctct 60

ctccgttccc gagacaagca aaagcttcaa tctcaaatct ttcagcagct acaaaaatgt 120

tcttcatcta nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn ncgtcatcag ttgcggcgaa gttcgctttc ttcccgccga gtccgtcgtc 240

ttacaagctg gtttacgatg aactgaccgg acttcttctg atgaacccat ttcctcaccg 300

tgaaaacgtt gaaatcctta agcttccgac acgtagagga acagagatcg tggctatgta 360

cgtcagacat ccgatggcta cctctactct gctttattcc catggaaacg ccgccgatct 420

ggggccaaga tgtntgagct cttcatcgg 449

<210> 6169
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F4

<400> 6169

cacctggacg tgnccgtcat nnattaaagg gccnacncac gcgtccaagg acgngtgggg 60

aaaggtcaag gatctgggtc tgattcagat gatgaacaag ggcaaaagag taaatcgaaa 120

tcggatgatg agattcttaa ttacggattg accattgctt cgnaagggca agagaatgta 180

ttacttgtgc ttgatcaggt tttacgagac tacagttgtt tcacagagca gagaatgtct 240

gaaaaagcca aggagactgg agaanaggtg ctgggaaatt cagtggtggc ggacacttcg 300

ccggaggagc ttaagggtga gagaaaggat gttgtggaag gtcaatgtgc ggcgtattgg 360

acaacacttg caccgaatgt cgaggattan actcacagta ctgctaaaat gatagcttcc 420

gggtcangta agctgatcag aggggatact gtggtgttng gattaactg 469

<210> 6170
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F6

<400> 6170

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atcgagtaca aaccgcaagt gaaacagagt aacagagacg cgtcgtcttc aacgatgctc 120

tcaacggtga cggcgacggc ggtttctcga ccgattctga aggnggaatg tacaatcaaa 180

aggacgttta aagtgacggc ggagaagttt ccgacgtttc tgccgaccga tgtcgagaaa 240

attaaagaca cgtttgctct aaagctcgcc gccagaatag agaggcttcc tgtatctgtg 300

agcttcaggg aagatagtat tatgagcagt tgcgtgacac cgctgatgcg gaacgagaca 360

actcctgttg tgcttcttca cggatttgat agttcttgtt tanagtggcg atacacttat 420

cccgttgctt gaagaanccg gtttagaaac atgggnattt 460

<210> 6171
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F7

<400> 6171

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cttctaagag agatgagatc agccaaggga ttgattcttc ttcttctaaa gatttgttga 120

tgtcttctag aaatgtggac acgactaagt acaagttgtt gaatccaagt gatgacagat 180

tccttagaga cacaatcttg tccttcatgt tagctggtan agacacanca ggctcancgc 240

tcacttggtt cttctggctt ctatgcanta accaagaagc catgancaag attcgtcaag 300

aaatcancac aaatctattt ccaaganaca agaccgacga cggttctgtt tcntatgant 360

ctgantcatt caatccccaa gaggtanaga aattggtgta tttacacggc gcggtttgtg 420

aangcctcan gctctagtcc agctgttccc gnta 454

<210> 6172
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F8

<400> 6172

aactnccgcg ggacggtaag gtcataaatt cccgggncga cccacncgtc canggacgcg 60

tgggatcaac agtctccgac gcttggcgcg taccactcag gttcatttgc acagtaagta 120

tgccacttgc atgtctggga actccacttc caggaggatt tncactactg aggcagcacc 180

tgagaagaaa aacactgttg ggtctaaagg gcatgatatg cttgcacctt ttactgctgg 240

atggcagagt gctgatttag atcccttggt cattgcaaag tctgagggaa gttatgtgta 300

tgatgatact gggaaaaaat atcttgactc tctcgctggt ttatggtgta ctgccttagg 360

aggaaatgag ccaaggcttg tttctgccgc tgttgaacag ttgaacacct tgccgtttta 420

tcactccttt tggaaccgta ctactaaacc ttctctggat cttgcaaagt tcttttagag 480

aa 482

<210> 6173
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-G1

<400> 6173

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ttgcctttgg gcactctctg caacatctga agcagtaaca gaggctgagc caggtttgat 120

gangaacttc tacaaggaca cgtgtcctca ggccgaagac atcgtccgtg aacaagtcaa 180

actcctctac aaacgccaca agaacaccgc tttctcttgg ctccgtaaca tcttccatga 240

ctgcgccgtt gagtcatgtg atgcgtcgcn tttgcctggg attcgacaag aagagagcta 300

ggagagaaag aacacgacag gagcttcgga cttagaaact taagtacatc nagganattn 360

aggaagctct ccnaaaagga atgtcctggt gttgtcncag gttcgnaatt ccctccttgt 420

ccccan 426

<210> 6174
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-G3

<400> 6174

gggccgacgc ccgcgtccan gtacaacaac atctgttgtt cttgcacaag gttttatcgc 60

tgagggtgtc aaggtggtag ctgctggtgc aaaccctgtt ttgatcacca naggtattga 120

gaagacagca aaggctttgg ttaccgagct caagaaaatg tctaaggagg ttgaagacag 180

tgaacttgca gatgttgcat ctgttactgc gggtaacaac gacganattg gaaatatgat 240

tgctgaagca atganccana gtgggcagga aangtgtggt gacccttgag gaaggttaaa 300

antgccnaan aacnacctct acgtccctag aagggaatgc aattttgacc cgtnggttaa 360

taaccnctcc ctaacntttg ttgaccanac cagncganga aaaaattgtc ccgttcnaag 420

tttcnancaa atttgccaaa gtttaccttc cncgtttgnn caangaaaaa tttacccaaa 480

ttncaaaggg gaattctt 498

<210> 6175
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-H4

<400> 6175

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aaacagtgtg ctggaggtaa aattggaatt gcacacagtc cagcttggtt cgaaccacaa 120

gaccttgagc atgntggagg ttccattgaa cgtgtgcttg atttcatcct aggatggcat 180

ttggctccaa caacttatgg ngattatcca caatcgatga aggatcgtgt cggtcataga 240

ttgccaaaat tcacagaagc tgagaagaag ttgctaaagg gttctacaga ttacgtaggg 300

aatgaattac tataccttca gtgtttgcaa aaagaaaatt agccctgatc ctaagantcc 360

cgagtttggn ccnactgatt cctcttggtt gaatggggat aaccaagagt gttggatggg 420

gtaccaaaat tngggnaaca aggccgttta aanggggaaa a 461

<210> 6176
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-A2

<400> 6176

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ttcctctatt tcgtgctcaa ttcgcttgtt ctccagttcc actctatcag tgccggcggc 120

gatattgtcc gaggataaaa catgtttgct ctttccaagg ttttgcggag aagtcagagt 180

ctccgcctag gagcttgcaa tgctgtctac tctaagctag atataccatt gggagaaaga 240

aacattgcta ttgaatcaaa cgctttgatt catgataaac acgaagcttt gcctagattt 300

tatgagctct cttggtcttc ctctaccggg aagacgttca ctttcctcgg acgctggagc 360

taaaactaac cggagatgac gatgacctcc gaaagacaag aatgtaanct tgcaactcca 420

gacgagaact agtagtgata agtgaagaag gtgang 456

<210> 6177
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-A3

<400> 6177

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gtaagtatca aaaaaacaga attttgtctt cgttcttctc tgagattaaa gctttctctt 120

ttgtaatgga agaatctcag ggcatcaatg gcgtcgatga ttcagatcgt catctcccaa 180

ttctctactt aacctttta acgatctggt ctttctccgc ttgttcttgg acggttaaca 240

ctttcaaaaa tcgccacttt cagacaaata gtttacaatg gactcttgct tcagttccat 300

taatcaaagc cttacagctc acactatctt tcctcttttg gcattcatgt tttcaccatc 360

acatttgctc tctatggatg tcttttggtg tatatgtgac tggtgttctg tttcagacag 420

ctcatttgtg tcnttttacc tanctctcaa gggttattgg atcactgtga acgggtcc 478

<210> 6178
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-A6

<400> 6178

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agtacccact tgcctctctt cttctctttt attgcaattt tcgacctaac ccaagtgttc 180

gaagctcgtg gcatttcctc actcgaagtt tgaatttggt tttgtgatgg gatctaaaca 240

agtatcaaag actagaaatg gtggatttag caagttaaag actgttgagt cctctgcatc 300

ttcaacaacc tcgtcttcaa aactttatca agaggcgtct gtagatagcc atagctcccc 360

tacttcttca tcggttcgaa gcaagcctca gttaccanct aagcctttgc agtccanaga 420

aaatgtcact gtcactgtgc gttttcgtcc actcagtcca agggaaatcc ggaaang 477

<210> 6179
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-A7

<400> 6179

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ctctctctct cctcgccagc ttctgcaatt cgaaagttct tcgcatcatc ttgctgtcac 120

cactctctcg cgaatcgaat cacgattcnt caatcttctt cttctctatt gcgatctctc 180

tgaattttgt agcttcacga tttcagtatc tctactttca tcaccaatcg ttgggggttt 240

agggtttttg catcgacgcc atctatcgag ctacggagaa gcatactcat cttctatttt 300

ggctaaatcc gaggtcaact taatctctac gaaatagntt ttgaagtgna tgattccgat 360

ggataattat tgcgtaccga ggtactagca cgaccggttt agtgttttcg gcgacttcga 420

gcatgaatgc ttcntctgga ttcaccttac tgtaattctc cgacttcggt aat 473

<210> 6180
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-B10

<400> 6180

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tcattttggt tattaagtaa ttaacttata 120

ctaatcatgg gttttatcga tggaaagtgg gcaccaatga tagtcttaat tgtttctaac 180

atgattgcgg gaatggttaa tgctttagtt aagaaagttc ttgatggagg catcaatcat 240

atggttattg ctacttatcg tttgggtata tctactcttt tccttcttcc agtcgcttat 300

ttttgggaac ggnaaacang accaangcta actctaagca tctcatgtca gcttttcgtc 360

agtgcccttt ttggggcgag cttgatgcaa tatttctact tgcttggact gtccnacacg 420

tctg 424

<210> 6181
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-012-Q1-E1-B2

<400> 6181

ttntatccgg ccgtaccggt ccanaattcc cgggnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtacacgt 120

taccgtcgga tgggtctgcc tccgggaagc cttggtctcc ctctgatagg agagactttt 180

cagctgatcg gagcttacaa aacagagaac cctgagcctt tcatcgacga gagagtagcc 240

cggtacggtt cggttttcat gacgcatctt tttggtgaac cgacgatttt ctcagctgac 300

ccggaaacga accggtttgt tcttcagaac gaagggaagc tttttgagtg ttcttatcct 360

gctccatttg taacctttg gggaaacact ctctgcttct taagaaangt ctttgcataa 420

acgtatgcaa ctctctcaac aatgagcttt gccaaatcct caatcaatta aagaacatct 480

caagccn 487

<210> 6182
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F3

<400> 6182

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gatggcgaag aggatccacc tgacggaact aggctgcatc gcgtgtgagg aacttactga 120

gctcggtgcg ggtaaagaag gatggctcgt gaacaatcca aacctttga gtgcacttga 180

ttctcactct ttagccctag ccaatcgatt tctcatattg attgtgaatt ggggtgatcc 240

tgatgcgcct cgtgtcaaga tcagacctga tctgtctccg attgaggctg agtcgattac 300

ggcgatcgag tggttagtgt ttgatgatgt cagagtcgtc gttgcgggga cttcttgtgg 360

atatctcttg gtttactctg ttaccggtga tctgatccat aagcagattg tacatcaaag 420

ccgtatatta aaaataagag ttcgaggaac taagaaagat ttgatgcaag agacatcctc 480

tgangga 487

<210> 6183
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H4

<400> 6183

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cttcaacggg aactcaaaaa tcagaatctc cagatcgaga gcttaaaaag tcgatttcaa 120

ttccccttta agatttttg cttttggaat gtagtgtgaa gaagaaaccc tagttttttc 180

tcacttgaat tctctgcctt ctttagtaat gtcaagtgag cagcgagaag gttcgcaaga 240

gacgacgacg acgacggtgg aaggtaacgg aacaattgca ggtcagaatt ctcattcggc 300

ggctcccacg acattgagag ctacctctac gatggtttct tgccaagaga ctaaggntaa 360

accctaacaa cgagcataga cccgatagtt atgaagatct gcaacttgat ttcccaaact 420

cggtataatc nagtcctggg agaaatactt gcctccgaat atgctccgtc tcgaatcgtg 480

atgagaaaa 489

<210> 6184
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H8

<400> 6184

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attcaacacg tgtcctcacg tttctgatat tgatctcgct aatggcggtg acactgaacc 120

tttttcccac ggtagaggca aagaagcgga gtagagatgc tcctatagtg aaaggtctct 180

catggaactt ttaccagaaa gcatgtccga aagtcgaaaa catcatcaga aaagagctca 240

agaaagtctt caagcgagat attggtttag ccgctgccat ccttcgtata catttccatg 300

attgcttcgt tcagggatgt gaagcatcag tgctgctaac tggatnagcc agtggaccaa 360

gagaacaatc atcaatccca aatctgacac tacgacaaca aagcctttgt ccgtcattaa 420

taancttcgt 430

<210> 6185
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E2-H9

<400> 6185

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ggcaagatac tttttccagc agcttatctc aggagtcagc tattgtcatg ctatgcaaat 120

atgccacaga gatctgaagc ttgaaaatac cctcttagat ggaagtcctg ctccacgcct 180

gaagatctgt gattttggtt attccaagtc ctcactgttg cactctatgc ccaaatcaac 240

tgttggaact ccagcatata ttgcacctga ggttctttct cgcggagagt atgatggcaa 300

gatggctgat gtatggtctt gtggtgtgac tctttatgtc atgctggtgg gagcataccc 360

atttgaagac caagaggatc ccaaaaactt caaaaaaaca atacaaagaa taatggctgt 420

caagtacaag atcccggact atgtcatatc tcacaag 457

<210> 6186
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-A3

<400> 6186

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tcgctttaag ctcttaccct gaacgccccg gctccgactt cagctttttc ctctaccaat 120

gggcttttgc catagccgcg gccggaatca ctagcggttc catcgccgag cgaacgcaat 180

tcgttgctta ccttatctac tctactttct tgaccggttt tgtttacccg acagtctcgc 240

actggttctg gtcaagtgat ggatgggcta gcgcgtcccg gtctgacaac aatctcttgt 300

ttggctcagg tgctattgat ttcgcaggtt caggagttgt tcacatggta ngtggaattg 360

ccggtttatg tggagcgtta gttgaaggac caagaatagg taattttacc ggtcangccn 420

gtccgtggct ttacgtggtc acagtgcatn cccttg 456

<210> 6187
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-A4

<400> 6187

cgcgtccnat ggcttctcac tcgtcgactc tcctctcttc tcctactttc gctcctttct 60

cctctcatcg tcttcattat tctcccaatc cctctactct cagattctcc cgtccannca 120

gaaataaacc taatctcgcc ttgcgatgtt cagtctcaat tgagaaagaa gttcccgaaa 180

ctgaacgacc ctttactttc cttagggatt ctgatgacgt cactccatct tcttcttctt 240

ccgtcagggc tcgtttcgag actatgatta gggctgctca agacagtgtt tgtgatgcaa 300

ttgaagctat agaaggcggt cctaagttta aagaagatgt ttggtcgcga cctgggtggt 360

ggcggtggaa tcagtcgtgt gttgcaggac gggaatgtct ttgagaaagc tggggttaaa 420

tgncnctgtg ggtttaaggg ggntaa 446

<210> 6188
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-B4

<400> 6188

tacgcttncc gtgccccgtc atangattaa ngggncgacg cacgcgtccn accacgngtc 60

cgcccacgcg tccgctctgg ctccgaggac cagtcatcat gaaaggttat gtgggaaacg 120

agaaagcgag tgcggagaca gtagacaaag aagggtggtt aaagactggt gatctctgtt 180

attttgattc ggaagatttt ctatatattg ttgatcggct aaaggagcta atcaaataca 240

aggcttatca ggttccaccg gtagagttgg agcagattct tcactcgaat ccagatgtga 300

ttgatgctgc agttgttccg ttccctgacg aggatgcang agagattcca atggctttca 360

taagtgagaa aaccaggaag caatctcaac gaagcgcaaa tcattgattt cgtanctaaa 420

caagttactc cgtacaanaa nggtaagacg agttgctttt ataatgcaat cccaaaaaat 480

cctgctg 487

<210> 6189
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-B6

<400> 6189

ccgggnccga cccacacgtc canttcacta attccacata ctcagagaga aatggcaacc 60

gaaaccgtat tagccacggc ggtgagcaat ggcaaaagca aaggatgttg caagtccggt 120

ccaggttacg cgacgcctct cgccgccatg gccggtccac gggaaaagct catctatgtc 180

actgcccttt actccggaac ggggcgagac aaaccggact acttggcaac ggtggatgtg 240

gatccaagct cacccacatt ttcaagcgtc attcacagac taaaaatgcc atatatagga 300

gatgagcttc accacactgg ttggaactct tgcagctctt gccatggtga tgcttctgct 360

gatagacgtt ccttgtctta ccaggcttan tttctggtcg catctatgca ntcganacag 420

cgancgaccc aaaaggg 437

<210> 6190
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-C3

<400> 6190

acgnatccga taagaaggag ctcactggat tgcaaccgat tgttgagaaa atgacaccgc 60

cggtgaggct agcgacttca gctgttgtat tagcggcgtc tttagctact ggntacggcc 120

ttgggctccg tttagccggc tccaggaata ttgcctttgg tggggctgct gttgctggag 180

ccgccggtgg agctgtcgta tatgcgttga actctgctgt accggaggta gctgctatca 240

gtttgcataa ttatgttgcc gaattcgaag atcctgcctc tgtgacgaaa gatgatgtan 300

aaaagatcgc tgataggtac ggtgtcaaca aaggagacna agcattccaa ggctgagatt 360

tgtgatattt attgccggta tgtaacttcc gtgcnt 396

<210> 6191
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-C5

<400> 6191

gcnaccgtaa aggtcaccac attctcgggc cgacncacnc gtcnanccac ncntccgcgg 60

acgcntggga aaanatnatg gaacgcaatg ctagggaaat gtggtttctc actggcgttt 120

attcttctct ttagtgaccg aagttgcatt gtggntggcc gctttaactt gagatatctt 180

ccgagttcac aaatcattac aagtttggtg caaaacttta tcagctggat tcggtatant 240

aaaacaggag atgactcttc ttcactgcta agacgctcca cggaacttag tcttaggttg 300

attcggaatg gacaatctga tgctgttgag cgaatccttg tggttgtgga ggcaagttta 360

cgtggggaga aaacatttgg atgttctcaa gatactagtg gagattggtg tcntcttcaa 420

catctccgtg gttgttgcct tcntgatcaa gtacaacgtg ggtgcaagtg gnata 475

<210> 6192
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-C8

<400> 6192

aaacttcccc gcgggncggt naaggtcnnn aaattcccgg ggccgaccca cncgtccaac 60

cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag aaanaaacaa 180

attgcacacc ggtggtctca gtagacagag ttttcctaaa ggattcgtgt ttggaaccgc 240

cacgtcagct tatcaagtcg aaggcgagac tcatcaagac ggtcgtggcc caagcatttg 300

ggatgccttc gtcaagattc ctgggaagat cgccaagaat gccacggctg agataacagt 360

ggaccagtat caccgttaca aggaagatgt ggatttgatg aataaactga acttcgatgc 420

ttacanattt tccanttcan ggtccagnga tattccctga agggaagtgg taaagtccac 480

tggnaagga 489

<210> 6193
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-D2

<400> 6193

gtcaaaacat tanaagggtc gacgcncgcg tccgaggttg aaagagcttt agttccgtac 60

aaatggcgag taagaaggtt gacggagaag gaaaagggaa agctatagcg aatacgagga 120

tgcttcgaag catggatcga aagactcgan gcgatactaa gcgagatggt tcttcttcta 180

agctcatgaa gatcgaatct ccggagaaga agaaacggaa gacgacgaaa gcgaagaatg 240

ttggagctgc gaagaagaag gtaaanaaag aagaggtagc tgtgaaaatc gagaaagang 300

aggaggaaga tgatgatgct gcagagaaag aagaanatga cgactccgat aagaacaaga 360

ttgtgatcga gcattgcaag acaatgcaaa tcnttcaagg anaggggctt atgaggtgaa 420

ngaacgtcta gacggaagct tttcctggca tcattggtca ctg 463

<210> 6194
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-E6

<400> 6194

gtaaaaggtc atnaaattcc cgggncgacc cacgcgtcca nccacgcgtc cggtccatta 60

acattgtgac cattctaaaa ccctaaaatt taaagaaaaa ataaataaat agccttttg 120

accaaaaaac ccaatctatg gttttgccca ctatctcttc ctctctcctc ctatatatat 180

gtcttatgat gagcacacat catcatcatt cacatacata agccaaatgg gtgtgtggtg 240

gatagtgctg gtggtggctg tcttgactca cacggcgtct gccgccgtga gagaatatca 300

ttgggaggtg gagtacaagt attggtcgcc ggactgcaaa gagggcgccg ttatgaccgt 360

caacggcgag tttcctggtc ccaccataaa agccttcgcc ggagacacca tcgtcgtcaa 420

tctcaccaac aaactcacca ccgaagngcc ttgtcatcca ntggcatgga aatc 474

<210> 6195
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-F2

<400> 6195

gnccgtcaaa cattaaaggg tcgacgcacg cgtccgncca cgantccgtc atcatcgcag 60

aggagacgat cttacgcgac gaatccttga gagattgaga gggacaagcg agttttgacc 120

caaggattgt tgacggtcta tattgaacaa gtaaacaagg atgcgtaagt ggatctgttg 180

tacatgtcaa atagaanact caaatgaacg agcaacaact gaaaagttca cagcagcaat 240

ctgatgcaaa tcataagaat tcaaaaccag cacctgttgc aaaacatgag gttaagaagg 300

aagctcttcc cancgaggtc cctcccttgn ctttgganga ngtcnaggna aacgactgaa 360

aattttggat ccaangnact gattggtgga aanggtccta agggaagagt atattatgcn 420

acacntaatg atgggtgtgg cgggtgcccn gaa 453

<210> 6196
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H2

<400> 6196

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ctctctctcc acaagaaacg ccgtcgttca ttaaaaatga tggcggtggg cagatccgga 120

ggcaccatcc tattgttctg cctatcattc ttcgccgcgg taaccgcgga gagtccatac 180

cgattctttg actggaatgt aacatacggc gacatttacc cactcggtgt tcgtcagcag 240

ggaatattga ttaatgggca atttccggga ccagacattc acagtgtgac aaacgacaat 300

ctcatcatta acgtacacaa cagcttagac gagcctttct taatctcatg gaacggagta 360

caaaacagaa gaaattctat gttgatggaa tgtacgggna ccacgtgtcc aatttcaacc 420

gagaagcaac tacacataca ntttgcaagt gaaaagacca aattggaagt tccaatactt 480

cc 482

<210> 6197
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E7

<400> 6197

acgcgtccgc caattttcat cttccctttt aggttggaat tttgagtttt atcttcccat 60

ttctggattt tgtttctctc tagtctattc cttcaaaacc aagaacccaa ctttgtttta 120

tattcaaaag ttgtttgctt tcatcgcgtt tggtgttcat cttcatctgg tttgagatta 180

taataacatg gaaggaatca ttgtgagaag agttatacca tctgataaca gttgtctctt 240

caatgcaatc ggttatgtca tggacaagga caaaaacaaa gctcctgagc tcagacaggt 300

gatagcagca gcagttgcaa gcaacaagga gaaatataat gaagcatttc tagggaagct 360

caatgaagaa tattgtgctt ggattctcaa tccaagacaa gtggggaagg tgcgattgaa 420

nctttccgat attaagcaag aataataatg ggccgagaaa a 461

<210> 6198
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-E8

<400> 6198

gtaccgaaac cgaaattccn gggtcgaccc acgcgtccgg ttcatttttt tttctcatat 60

attgattcga gttctttctt cttgaatctt gttcttcata gatctagttt ttgtttttta 120

ctctctagat ctatagatct gttgaattca cttctttaat ccatctctgt gttcttgagt 180

tcctatggtc taagtcaaac tcaagttcaa gatctgttga atttggaatc ttgctggtga 240

agttagagat gaattatttc ccagatgaag taatagagca tgtattcgac tttgtaacat 300

ctcacaaaga caggaatgct atatctcttg tatgcaaatc atggtacaag attgaaagat 360

acagtaggca aaaggtttca atgggaaact gtaagccaat naatccagag aaggtggctc 420

cgaaaatccc aaggtcnaaa gtcttgacnt tgaaaggaaa acccaatttg cggatttca 479

<210> 6199
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E2-F1

<400> 6199

acgcgtccgc acacagctgc aacactatct tctcagaaat ggtaaccgaa gctttcgaat 60

tcgtcgccgt tcctttcaat tccgatggct ggggacctcc agacgcttcc gacgtttcct 120

cctccgcctc tcccaccagc gtcgccgccg ctaatcttct cccgaacgtt cctttcgctt 180

ccttctcccg ttccgataag ctcggccgtg tagctgattg gactcgcaat ctctctaatc 240

catccgctcg tcctaacacc ggatccaaat cagatccgtc tgcagttttc gatttctccg 300

ctttcgcaat cgacgaaggc ttcggtctcg cttcctccgg tggtaatccc gacgaagacg 360

cagctttccg tctcgtcgac ggtaaacctc cgccgcgtcc taaattcgga cctaaatggc 420

gtttcaatcc tcaacaacaa tcgggatcaa gcttctc 457

<210> 6200
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-F12

<400> 6200

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tgaatacatt acaagggtta tttttgtctg aatggaaact actcaaaaag atgagctttc 120

gagcttctta agtgttcttc ctcctgtgga tttctgttgt gtttatggtt caacattgca 180

cccaaataac caagataagt ctaagatggt ggactatatc cttggagtct ctgatcctat 240

aaaatggcat tctgcgaatc tgaaaatgaa ttcagatcac tatgcttcat ggatggttca 300

ccttggtgga gctaggctga ttacaaatgt tgccgataaa gtaggagttg gagttcactt 360

caatccgttt gtcaactgga acgacaggaa gctcaagtat ggagttgttc ggatgcatga 420

cctagtacag gacatactgg gactggaaga ngttctact 459

<210> 6201
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-F3

<400> 6201

aactgtctcc cttggntcgt ggcccgtccg ganattccaa aggtcgaccc acgcgtccgc 60

ccacgcgtcc ggttctacgc aactccataa tttcaattcc tctcgacgtt tcacggcgaa 120

gcttcagatc tacttttccc cagctcagta tggagacggt tgattctcgg aacaaattgc 180

attcccggtt acgtttatgg gaattccccg atcagtacat catcgagcca gctgatggct 240

caggctcttc atgtttggat attagtcgtg ttgatgcttc catgaagctc atcgatcaag 300

tcccagaaag caattccgtg cgtgtcccta aaatccgttc atttttggt gtggttggga 360

tgttgaagct ccttgcagga tcatacttgg tggttgtaac tgagagtgaa cgtgttggat 420

cgtttctggg gcatcctata ttcaaagtta caacgcttaa ggttcttcct tgtgatcatt 480

cacttaaaaa ctcgcctgaa agaaca 506

<210> 6202
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-F9

<400> 6202

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cgtcgtagat ctgtctagtt acctcgactt ctccggtgat ganttaggat ccgatctact 120

cgaatcatgc cgacaagtga gtcggatcct aaaanaaacc ggagctctca ttgttaaaga 180

tcctcnatgt tgcgcncaag acaacgatcg antcattgat atgatggaaa attatttcga 240

aaaacctgat gatttcaaac gattgcaaca aagacctaat cttcactatc aggttggtgc 300

gacgccggag ggagttgaan tgccgaggag tttggttgat naagagatgc aagatnagtt 360

caatacaatg cctaatgaat acaaaccaca tattccgaaa ggaccaagat cataagtgga 420

gatatatgtg gaaaattngt cccaaggcca tctaacacac n 461

<210> 6203
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G1

<400> 6203

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agcaaaatcc gcagttttct acattaatgg attgtttctg ttctagagct tctcttccgt 120

ctctgtgatt tctgggtaga ttctaggatt tctatttgca tctctaacct gagagctgct 180

aatagtccac acaacttttt agtttgtgag ttttcctaat ttagggttag gacaaatttc 240

tgtatttttc atccaagggg ataaagatgt atgctgataa attggaggct gagtctggaa 300

gcaggaaggt cgttaaggat cgtatcaatg gcggttctgg agacatctct actcgcgtgc 360

gacaagtgac tgggaagagg caaaggcang acgacaaatg ggagcatgat ctttcagtag 420

tgacaaacct caactttcaa atcgcaaggg ttgatcctaa gagatctccg ttgaagctcc 480

aaaa 484

<210> 6204
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G12

<400> 6204

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gattcgtgaa gccgaaaaaa aaaaaaaaat ggtaattctc agcaacgtct cgttgttctc 120

ctgctgcaac atctctcaga aaccatctct cttttctccg tcttctcgta gttctcattg 180

tcccattcgt tgctcacagt cacaggaagg gaaagaagtg gttaccaagt cctttgagaa 240

gtgtggtttg gtcattagga gaagaggttt caaagagaag tctatttgca cttgtctctg 300

cttctctctt ctttgttgat cctgctcttg cttttaaggg tggaggtccc tatggtcaag 360

gagtcaccaa ggggacaagg acttatctgg gnaaagattt cagtggncaa gactccttaa 420

caaggcangg actttcaaaa acgttcaatc ctnaagggca aagccaaact ttnaaggggt 480

tgcnaaaatt tggttaaggt ggcaaacctt ccntttgatg caaaattt 528

<210> 6205
<211> 487
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G2

<400> 6205

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acgccattca ctccggcgtc actttccttg acacctccga tatctacggt cctgagacca 120

acgagcttct cctcagcaag gctctcaagg atggggtgag agaaaaagtg gaacttgcga 180

ccaaatatgg aatcaggtat gcagagggga aagtagagtt taagggagat cctgcttatg 240

taagagctgc gtgtgaggct agtttaatgc gagtagatgt tgcctgcatt gatctctatt 300

atcaagcatc gaattgatac tcgtgtccct atcgaaatca ctattggaga gctgaagaag 360

ctagttgaag aaggtaaaat aaagtatatc ggtttgtctg aagcttcagc ttcaactatc 420

anaagagcac atgctgttca acccgataac cgctctgcaa atagaatggt ccttaagggc 480

caaaaac 487

<210> 6206
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G4

<400> 6206

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gagtagaaaa aacgacaaga agaaagaaac acagttgcag gagagaaaga gatatggctg 120

tccggataaa cgcgatggcg gtgacgtttg tggcgcacgc gctggcggta atagcggcga 180

ttatggtact ggtttggagt atcagttaca gaggtggatt ggcctgggaa gctactaaca 240

agaatctcat cttcaatctg catcctgttc tgatgctcat cggatttata atcttgggag 300

gagaagccat cataagttac aaatcgcttc cgctggagaa accagtgaag aagttgatcc 360

accttatact ccatgccatt gctctggctc ttgggatatt tggcatctgt gcaaccttta 420

aagaaccaca atgaaagcca tatccctaat ctctacagtc tccaatcctg gattggtant 480

ggagtcattc tcttaag 497

<210> 6207
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G7

<400> 6207

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aagaaacaaa ccgctccaaa gtcattgccc atttctctca atgtggatca gtcggtctcc 120

gatcctactg ctgttccaac aacaagaaaa tcgttgatca tggaacgaat gggagataaa 180

gacatcgtta gacgtgcatt taagagtttt cagaagagtt tcgaccaaat gaaatctact 240

gatgatgggc aagatacagc tccaaagcag gttcttgcaa aggcaactgc tgttcagagg 300

ttaggtacaa ctggtcagaa aaatgtcagg cttgcaaaat cagatggcac ggagagaaaa 360

ggtcctaact ctcaacgttc ttcatctgtt gtatcaaaaa gcaacgggac agccgagaaa 420

cagaangacc ttctaggctt ggcacaaaga nctgtagaga ngatacattt acaaggcnaa 480

ac 482

<210> 6208
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-G8

<400> 6208

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tctgcctcca aatctcatct cttgccagct ttctccatct ccagatgctt ctcctcagtg 120

ttggaaggac ttaagtatgc aaattcacat gagtgggtga aacatgaagg ctcagttgct 180

acaattggta tcactgacca tgcgcaggac catttaggag aagttgtgtt tgtggagctg 240

cctgaagcaa acagttcagt gagcaaagaa aaaagctttg gagctgttga gagtgttaag 300

gccacaagtg agattctatc tccaatctct ggtgaagtca ttgaggttaa cacaaagctc 360

ancgagtcac ctggtttgat naaactcaag cccttatgaa gatgggttgg atgataaang 420

gtgaaaccga acagccccgc cggagttggn agctcctgat gggtccaaan ggaatacacn 480

aagttctgcg aaagaaaa 498

<210> 6209
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H11

<400> 6209

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ttcaaagctt caaatttctt tttttccttc ttgcaatggc aaaatcgaag aaaatttcta 120

caggtcaaat atttggttgt gagagtctcc ttgggtgcat tttccagagc tggagccctc 180

gccgtcgaaa accctcttta ccggaaaagg atcatcgggc aaaagataac ttgtcttcca 240

agtcatcaac aaccgttaca aaccctaaaa tcctcccaag aaaatccacc gatacttctt 300

ctcaaccaaa gaaatctgac tcccagaaac cccaacaaaa gccaaaacca gatgagaatc 360

acccgcgaaa atcatcggaa tccgccagaa aatcatctga ttccgcaaga aaatcgattt 420

cgtcaggctc atcaagaaca agagagcaag agantctcac t 461

<210> 6210
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E2-E5

<400> 6210

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tccggcttcc tgttgtgggc ggagacgttt cggtacatga ctctgaggga cacgaagttg 120

agtctcaact tgttccattt actgatgaat atgtggcctt aaggaaatat catgtagagg 180

catacttagg tcaaagccct acacaggtgc caaagtattg gcttgtgttt tcagtaactg 240

tgcctcctct tggcttcact acttacacta tctccactgc taagaaaaca gatggatatt 300

ctagcaaatc atacgtctcc aatatcctaa aaggcgaaca gtcaataatt aacattggtc 360

atgggcatct gaagcttagt ttttcccact gatcaaggga cagcaatcaa ttatgttaac 420

ggcagaacct cgatgacaga accagtcaaa caaga 455

<210> 6211
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-G8

<400> 6211

acgcgtccga tcccaccaaa gaagaaactg gaggagtanc gganattgct gagtcttttg 60

gtaatatgga agtgactgat gagtctcctg atcagaagcc aggacaattt gaaagagact 120

tgtcgacgag aagcaaagaa ttcanagagt ttgatcagga ctttgactct gttctcggta 180

aggattcgcc ggcgaaattt ccaggtgaat caggagttgt tttcccggtg ggctttggtg 240

acgagtcagg agctgagctg gaaaaagatt ttccgacgag aagtcatgat tttgatatga 300

cagactgaaa ctggaatgga cacgaattct ccatcaagaa gccatgaatt tgatccgaag 360

actgaatctg gaaacgacna gaaatccccc gaatgggcct tggtanttaa atccagganc 420

tgagctggaa aaaagaantt gattcaga 448

<210> 6212
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-H12

<400> 6212

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ctggttcttg ctttacactg cggtgaagca nccgtgtctt gcaacacggt gattgcggat 120

ctttacnctt gcttatccta cgtgactcag ggcggaccgg tcccaaccct ctgctgcaac 180

ggtctcacaa cactcaagag tcaggctcaa acttctgtgg accgtcaggg ggtctgtcgt 240

tgcatcaaat ctgctattgg aggactcact ctctctccta gaaccatcca aaatgctttg 300

gattgccttc taaatgtggt gtcgatctcc cttacaagtt cancccttcc actgactgcg 360

acagtatcca agttgagaca aagcaagaaa atccttaaag ggaaagctac tacaaggaac 420

tataataacc taataattaa taaatgangg caattg 456

<210> 6213
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-H2

<400> 6213

ctggtggtca cataccgggt cgncccacgc gtccgccnan ncnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct 120

aacaagtttc cggagaggca accgatcggn acttcggctc agagtgacaa ggactacann 180

nagccaccac ctgcgccgtt gttcganccc ggcganctag cttcatggtc cttctggana 240

gctgggattg ctgagtttat anctacgttt ttgttcctgt acatcactgt tttgactgtt 300

atgggtgtga agaggtcacc gaacatgtgt gcttccgtcg gnatccaagg tatcgcttgg 360

gctttcggtg gtatgatctt cgctctcgtc tactgcaacg ctggtatctc ccggtggaca 420

catcanccca agcngtttac gttccgtttg gtccttanct anggaagcct tcgctcacaa 480

c 481

<210> 6214
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-H6

<400> 6214

ttttttttt tttggagtta gaatgctatg aattccaaac cagagaagat tcaaatanaa 60

cagagactaa aaaggctgtt canacagtaa taattcntgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcaagtagt ttgagggcac ctacggaaag 180

caagtaatac tacagagggt agacgttcca gtgcttaang atgaaacatc atcagtacaa 240

gcaaacgtgt ttttcatcat acaccgttgt cacttncaca agtggctgcn gtcagtccgc 300

agcatacggn naattgactt tcgacaagca ncatcanctt tgcgcagagg agcaaggcca 360

accaggcaga tggggacctc tcaatnccac gccnttcagg gngaaatctc cttaa 415

<210> 6215
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-A3

<400> 6215

acgcgtccgc aaaatgctca cgacacctcc acgaacnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncaatcga actctgtata 120

caactctttc ctcaagtgtt tctccgacaa gacgaaatct ccacaatccc aaatcactga 180

caatgtcttc tctcagacaa accctgcttt ctcctccgtt cttcgtgctt acatccgcaa 240

tgcgaggttc aacacttcct ctactcttaa acccaccatc ataatcactc ctcgctccga 300

gagccacgtc agcgccgccg tcacttgctc aaaaacccta aatttcctcc tcaaaatccg 360

aagcggcggc catgactacg atggtctctc ttacatttcc gacaaaccat ttttcatcct 420

cgacatgtcg aatatccgtg acgtctct 448

<210> 6216
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-A6

<400> 6216

acgcgtccgc tcctccttca ataatttctg caaaccctaa ctttctcatt cggcgctcaa 60

gtttctctcc acccccttcga gatttggtgc gatgatgttg cgtgctgttt ttaggagagc 120

ttccattaga ggctcttctt ctgcttcggg attgggaaaa tcattgcaat cctctcgtgt 180

tgcagtgtct gctcaatttc attctgtttc agcaacagag acgttggtgc ctcgtggaaa 240

ccatgctcat agcttccatc accgttcttg tccagggtgt ccagactgtt caaggactat 300

tatcaacggt taccaaggca cagccctgca aagatgggtc aggccctttt catctgatag 360

tggggatgtc gtggaagctg ttgtgccaca catgggtgaa tcaatcactg atggcaccta 420

accgcctttc tgaagaaacc t 441

<210> 6217
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-A7

<400> 6217

acgcgtccgc ggacgcgtgg gaaatcactc gagaattcgc tattttatca ccaatcttct 60

tgaatcctct catccaatcg tctgattctc atctttctcc gttacttgtg gatcttacgc 120

aatgtataga gtttttgcga gccgagcact gagagctaag tctctctgtg acaaatcatc 180

cacctcgctt gcttctttga ctctctccag attgaatcat tccatacctt ttgctaccgt 240

agatgccgag gagctctctg gtgctcatcc tgctgaagta cagagctttg tgcagggaaa 300

gtggatagga tcgtcaaatc ataacacgct tctagatcct ctaaatggag aaccgtttat 360

caaagttgcg gaagtggatg aatcaagaac tcaaccattt gtggacaagc ttatcccant 420

gcccgaaaca atggnctcca aaaccc 446

<210> 6218
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-A8

<400> 6218

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ttctccggtt tactttcggt taagacagcg ttagcagcac gacatgtgat cggcgggagc 120

caaggctggg aacaatccgt tgattttgat tcttggtctt ctgatcaatc tttcaaagtc 180

ggcgaccaaa tcgtttttaa gtattcagaa ctacacagcg ttgtggagct aggaagtgaa 240

acagcataca agagttgtga cctgggaaca tcagttaatt ccttaagctc tggaaacgac 300

gtcgttaagc tttctaaaac cggtactcgt tacttcgctt gtggaaccgt tgggcattgc 360

gaacaaggca tgaagattaa agtcaacgtt gtctcttctg actccaaatc cgcttcctct 420

ccttcaagtt caagttcggg t 441

<210> 6219
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-B2

<400> 6219

acgcgtccgg agctttttct ctctgggttt agggttccgg taattttgcg acgacaccga 60

gcgattcgtg cctccctccc cttcctttga cttcggttct aacttgatta ccagtgagaa 120

gtaggctaag atggaaatca tgtcaagaga gaatgagact gctttgtcag gtcctaggcc 180

gatggaatgg tctaccgtcc cacacagtgc ttctcaagga cctggtccca atggcaagaa 240

ccggacctcg agcttggaag cacctatcat gttgctaagt ggacatccga gtgctgtcta 300

taccatgaag ttcaatcctg ctggaactct gattgcatct ggatcccatg acagagaaat 360

cttcctctgg agagttcacg gggactgcaa aaacttcatg gttttgaaag gtcacaaaga 420

acgccatcct tgatctcaat ggac 444

<210> 6220
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-B4

<400> 6220

acgcgtccga ctcaatcgag ttcggattgc ttcccccttac tccgttcggc ttctgtcagt 60

aaaacctatt tcaaatgtcg atgatgcgaa gtttcgatct caggaagaag aagatcagtc 120

cagttacgat cagaaaacag tatgcgaagc tctcacatgt tacagcaacg attggcaaaa 180

ggcgttggag tttttcaact gggtcgagag agaatccgga ttcagacata ccaccgagac 240

attcaatcgg gtgatcgata ttctgggtaa gtatttcgag tttgaaattt cttgggcttt 300

gattaaccgc atgatcggaa acacggaatc tgtgccgaat cacgtcacgt ttcgtatagt 360

ctttaagcgt tatgtgacgg ctcatcttgt tcangaggct attgatgcgt atgataaatt 420

ggatgatttc aatttgagag atga 444

<210> 6221
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-B8

<400> 6221

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agaatattgg aatcttctgg atgcgcgatc gctttgattt ttctgctctt catccatgga 120

gctcactcat tctatctccc aggtgttgct cctcaggatt tcgagaaggg tgatgagctg 180

aaggtgaaag tgaataaatt aacttccata aagactcagc ttccatactc gtattactcc 240

cttccttttt gtcgccctag caagattgtg gacagtactg agaatcttgg agaagtgctt 300

cggggtgacc ggattgagaa tgccccatac tcgtttaaaa tgcgggaggc acaaatgtgc 360

aatattctcg gccgggtcac tcttgatgcc aagacagcta aagcgtttaa agaaaagatc 420

gatgatgagt accgggtcaa c 441

<210> 6222
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-C2

<400> 6222

acgcgtccga tgtgactgaa atattcaagc acaaatcaga acatggttcc tgtcttgttt 60

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aaagggttcg ggatttcaca gtagcattca tagacagttc aggttagtta aacgtgcttc 180

acaaaaagaa aaaaaacaga agtgtagttg aggtcacacc acaggtttat gctttgctct 240

taatcaaata tttatctttc tctttttgt tatttgtcct ttttaattcc atttgcttta 300

ttccttactt gtggggatta aatgtttgca gagaaagata attcgactga ataaatacac 360

ttttacctgt atacttgtta tatatttgtg tcaccccaaa gtgaaagctg cagactttga 420

aacacagaaa ttctcccaat ggta 444

<210> 6223

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-010-Q1-E1-C3

<400> 6223

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cgaagtcaaa ctcggtgttc ataccgcacg gtccaggcgc tgttagggac attgcttcac 120

agatcaggga tggtcttctt cagggtaact ctgctgctga gtagagaaat gtctcaaagt 180

acaaaaaggc tttttcagag ttttagagtt gtgttactac ttgctactca gtttatcttt 240

tagcggttgg ctctatatgg gttcttaaat ttcttatcgt ttctctcttc taggcttgtg 300

gacttgatcc attttcttgt tttatgggtt tgtggataga gtttgggctt gaaaaatatt 360

tgtgttattt tgggttttaa tgtcgttaac tcgttattaa tgtttaaaca gtggtaaaga 420

atttgttaac gagaaaaaaa aaaaa 445

<210> 6224
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E1-C5

<400> 6224

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agaagtcgta cccgaacgtt cggatccggg ttcgggtcta ctccggcgat gtctcttcca 120

cgtctacgct tccgattcgt ataacttaac agttcatgtc actgacttca tctccggtgt 180

ctggacgacg atcctctccg tctcgcagct agacgatatg agggatactg ttgggattgg 240

tggttcgtgg tctgagttcg tcgattatac tgttgcttcc ttgaaatccg acaatgtgaa 300

gcttctcttg ggagaaactt cagtttcaaa tggtgtcaaa actgcgcgat tagtttctca 360

gaaagccaaa ggaatgcctc gcataaatgt tcctttaaca aagatggtgg gaatcatctg 420

ctantgaanc aatgggcaaa tctgtctc 448

<210> 6225
<211> 478

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-G6

<400> 6225

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ttttttttt ttttggagtt agaatgctat gaattccaaa ccagagaaga ttcaaataaa 120

acagagacta aaaaggctgt tcaaacagta ataattcttg cacatgaaca ctaaaccaga 180

acgataacag gaaacaaaga tacagtcagt actcagtagt ttgagggcac ctacggaaag 240

caagtaatac tacagagggt agacgttcca gtgcttaatg atgaaacatc atcagtacaa 300

gcaaacgtgt ttttcatcat acaccgtatc actttcacaa gtggctgcan tcattcccgc 360

agcatancga gattgacttc gagaagcagc atcaactttt gcgccagagg agcaaggcta 420

ccangaaaat ggggacctcc caatgccacg ccttcangga gacatctccc ttanaacg 478

<210> 6226
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-D11

<400> 6226

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ccggattcgg ataccgagct ccctggagct gancctgact atcttaatgg tgccaaaagt 120

gtgaganaac tcnacgagat tgctanccca aactatgaag ggaagtacac tgttcctgtt 180

ctttgggata anaagcttaa gactgttgtt aacaatgaga gttcagagat aatccggatg 240

ttcaacactg agttcaatgg tattgcnaaa accccgtcac ttgaccttta tccttcncat 300

ctcatagacg taatcancga gactaacgga tgggttttca acggactnaa caacggtgtt 360

tatnaatntg ggtttgcaaa gnntcaagaa tccctatngt gaagcacntg aaccacttac 420

atttntgcan tanatcncat tcaangaagt tcccggaaaa c 461

<210> 6227
<211> 436

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-D8

<400> 6227

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nnnnnattgg tttggtctcc ggaaacagca tcaaaggctt atatagacan cgttaaatcg 120

gtnagttttt ttttttatttt ccggtgagtt gtgaaggaat aataacacac gcttcttctc 180

tccagttctc gaaaactcag atcttaattt tgttaaagat tcatggnttg ttcttgtaac 240

gatttttttc ttttcttttt ggttcagtgt gagaatcttg aaacgccgga cncggtggag 300

ctgatancgg ngatggcagc gggatggaac gtgaagctga tcgtgganac ttggtcanaa 360

aggagacnca anaacttcaa gtantggatt aagacgtncc angcagacac gccaaacgct 420

aaacacatnt gtataa 436

<210> 6228
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-E11

<400> 6228

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atggctgttg cgctccaatt cagccgatta tgcgttcgac cggatacttt cgtgcgggag 120

aatcatctct ctggatccgg atctctccgc cgccggaaag ctttatcagt ccggtgctcg 180

tctggcgatg agaacgctcc ttcgccatcg gtggtgatgg actccgattt cgacgccaag 240

gtgttccgta agaacttgac gagaagcgat aattacaatc gtaaagggtt cggtcataag 300

gaggagacac tcaagctcat gaatcgagag tacaccagtg atatattgga agacactgaa 360

aacanatggg tatacttatt cttgggggan atgttactgt gaaactcgct aaagcatatg 420

gtttttgctg nggtgttgaa cgttgctgtt caaaattgca ta 462

<210> 6229
<211> 498

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-E2

<400> 6229

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aatcgaaacc cagcacgaga aaaatgcatg atttttgctt cactatcccg tacgggatgc 120

ttctcatcgg cggaggattt atcgggtaca tgaagaaagg aagtataaca tctttcgccg 180

gaggtgcagg cactggatta ttactcattc tcgctggtta tatcagtctc aaagcttttg 240

agaagaagaa gaattccact attgctatgg ttcttcagac agtcatcgca gctgctctca 300

cactagtcat gggacagcgt tacttgctga ctggaaagat tatgccggct ggtttggttg 360

ctgggatcag tgctctcatg acctgttttt acgtatacaa gatcgctact ggtggcaata 420

aatttccagc aaaagctgaa tgatggttct gctacatgca gatganacta acccgttgtt 480

gaatttgtcn ataaaatt 498

<210> 6230
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-E6

<400> 6230

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tggtnaaagt nagaaagaca ggggctanct gaacctgcat cttccccgac ggttcanaag 120

acctctgttt ccggagagga tttccagctc gcgccgccga aattgggcgt gattttcgtg 180

atctcttcgc ttctgtgttc gctttatctt taccttctct gtttccacta caatgttgac 240

aatgagctca agcgtccgat cctcattaac gctgggctta gcttggttgg attctttgtc 300

acactcaagt tgattcctgt agctgctaga tacgttctga ggcgtaatat gtttggtttt 360

gatatcaaca aaagangcac tcctcaagga naagttagag tgcctgantc attgggaatt 420

gttgtcgtat tgtcctcctg ataatg 446

<210> 6231
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-F1

<400> 6231

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canagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggaaagc 180

aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaag tggctgcagt cantccgcag 300

cataaggaga ttgacttcga ngaagccagc atncactttg cccaananga ncaagggcta 360

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agaaggcctt t 431

<210> 6232
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-F12

<400> 6232

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gactcaaatc agcaagaaga gaaagtttgt agcggatggt gtattctacg ctgaattgaa 120

tgaggttctc acaagagagc tagcagagga tggttactct ggtgttgagg ttagggttac 180

tccaatgagg actgagatta tcatcagagc tactcgtact cagaatgttc ttggtgagaa 240

ggggangaga attanggaat tgacatctct tgtccagaan agattcaagt ttccagttga 300

cagtgttgag ctctatgctg agaaaggtaa caacanaagt ctctgttcca ttgctcaagg 360

ctgaatccnc tacgttacaa accttctcgg tgggtccctg ctgttcccaa gggcctgtta 420

atggtgtttt tganaatttg gtaatgggan aattggagcc taaagggaat ttaaggt 477

<210> 6233
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-F2

<400> 6233

acgcgtccgc cnacgcgtcc gcggacgcgt gggcggacgc gtgggcaccg cacctattga 60

tcccaatgcc aaagaggtaa cgaagcgcgt ggactcaaac gagaaacatt ggtcgggatg 120

gaactggaga acggaaggtg acgttatggt taacggagct tttttcgtgc cgtcaggtga 180

cggagtgagc ccagcgtatg ccagagccac cagtgttcag cctaaagccg ccgcgatcat 240

tgaccagctc acggtcaatg ccggcgtttt cggcgatcca agtgggagaa acggccaagg 300

aggaagcttt cccggaatta cgaacggtgg tgggacatca cgcgcggtta cagtaaaagt 360

ggacctgccg gcggtggcag cggcagtgac agttgatgat gggcttttca cattgataat 420

ccggtaacaa tagccggtgc cggtggctct aaaggcc 457

<210> 6234
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-F5

<400> 6234

aactttctcc gcgtcgtacc ggtcaaaaat tcccgggtcg acccacgcgt ccgaatcccc 60

tgaaagctta taggctccgt tgaacagtta taacttgtga aagttgaatc cttttaaacc 120

gacagaggaa gatctcagat ggcaaacaag ataagtgaaa ctgcttccaa gatggacgat 180

tatgaggtcg tggaacagat cggacgangc gcttttggtt ctgcttttct tgtaattcac 240

aagtccgaga gacgaaagta tgtggttaag aagattcgtt tggctaaaca aacagagaga 300

tgcaagcttg ctgcaatcca agagatgagt ttgatatcaa agcttaagag tccttatant 360

gtggagtaca aagattcttg ggttgaaaag gattgtgtat gcattgtaac tagttattgt 420

gagggtggag acatgactca natgataaag aaatcaagaa ggantattcg cgtccgaaga 480

aaaaccctgt an 492

<210> 6235
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-F9

<400> 6235

acgcgtccgg gatcgccata tcgttgatca agaccagagc gtcgtcgatc cggccgagtt 60

tgcagagacg agcgatgaga gtttcgtang agtgtttccg agtgtagccg gcgtcggtct 120

gaggcaaant acggcggaga tcttctaagg aggaggagta agagtctgtg tttgttagga 180

atttgaaagt anctgtcgtg ttgaaacacg cgtttacgac gcggctgttg aggagacgac 240

gtacggcttc gaaatcgccg gagcttccgg ctttgaagat gaggttatcg aattcgacgc 300

aagtacnacg accaaggtga agcanttgga ttgggattta cggtggagaa tgaacgtccc 360

gagattgant gaagcagaaa tctggaantg ttcgcttcct taacgaatcg tcggaaatag 420

acatcgtccg attcangtca accgg 445

<210> 6236
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-G11

<400> 6236

gtcttctggc ngccacggtc cgaaanaccc gggtcgaccc acgcgtccgc aaaaaacgcg 60

gattaaagcc cgcgaaacag ccttggctta acctttagaa ttacnaccca ccaaaatacg 120

caaactccaa gctcaaatac acagaccaat tcagatttct tgataaagcc gctatcttga 180

ctcctgaaga caagttgcag ccagatggta agcctgctga tccttggaag ctctgtacaa 240

tgcaacaagt tgaagaagtg aagtgcatcg tgagagtgct tcctatatgg tttgcatcat 300

caatttacga cttaaccata actcaacata tggacttatc ccgtcttcca ngcccttcag 360

ancnacngtc gcttaggctc aggangtttt gtgattcccg nagccaccta ngtggttttc 420

ttgatgacgg ggaatgacag ttttcatcat agtctacgac cgtgtacttg tccaaccatg 480

agaagaatta ctgtctaaac 500

<210> 6237
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-G2

<400> 6237

acgcgtccgt gatcaattgt catccgaatg tctacgagac agattaatat ctgatgaacg 60

atatagtatg gcggtgtata tgtgcaagaa atgcaagatt gatgttttcc ccgtgtggaa 120

agcatggggt cttgctttgt tacggatgga gcgctatgct caagctcgag tcaaattcaa 180

gcaagccttt caattaaagg gggaagacat tcctgatgtc attcangaga taataaatac 240

aatagaagga ggtccgcctg tggatgtgtc aattgtacgt tccatgtatg accatttggc 300

gaaaagcgca cctacaattt tggacgattc tttatcagca gactcatacc taaatgttct 360

gcatatgcca tccactttcc ctcgttcaaa agangtcncg ganatntctg ggaatccgga 420

aaaagaatag ttcctgtacc tgggtcagac tttg 454

<210> 6238
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-G5

<400> 6238

acgcgtccga anngtgactg tgatcangtg aaggagctgc ttgaagatgc tgaaacaagt 60

agagtcattc agtttttgat gggtttaaat gatgacttta atactatcat gagtcagatt 120

cttaacatga agcctagacc tggactgaat gaantttaca acatgcttga tcaagatgag 180

agtcancgat tggttggaca tgcttcgana cctactccct ctccggctgc ttttcagact 240

caaggtttgc ttactgaaca gaatccaata ttgatggctc atggaaactt caagaaaccc 300

actgtactca ctgcaatccg tattggtcac actgttgaca agtgttacaa agttcaatgg 360

nnaccctccg ggaaaatcaa agggcaaatc aanaaaagtt ccttgtgtac gganttncaa 420

aatccnaaca gcctccaa 438

<210> 6239
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-B9

<400> 6239

accgggtcga cccacgcgtc cgattttctg tttgcataca cttgtatata tttatattaa 60

cagtccaaaa ttcttcgaaa ttgtcccgag ctttgagcat ataaaaaatg tcttcgataa 120

tccatggagc tggagctgct acgacgacgt tatcgacgtt taattccgtc gattccaaga 180

aactcttcgt tgctccttct cgcacaaatc tttcagtgag gagccagaga tatatagtgg 240

ctggatctga tgcgagtaag aagagctttg gttctggact tagagttcgt cactctcaga 300

aattgattcc aaatgctgtt gcgacnaagg aggcggatac gtctgcgagc actgggacat 360

gaactattgc ttttcgaagg ctcttcaaga angtctggaa caagagatgg acaagagatt 420

cacatgtaag ttgttatggg tgaaagatgt tggncattac ggangttcct acaaagg 477

<210> 6240
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-009-Q1-E1-F5

<400> 6240

acgcgtccga atcccctgaa agcttatagg ctccgttgaa cagttataac ttgtgaaagt 60

tgaatccttt taaaccgaca gaggaagatc tcagatggca aacaagataa gtgaaactgc 120

ttccaagatg gacgattatg aggtcgtgga acagatcgga cgaggcgctt ttggttctgc 180

ttttcttgta attcacaagt ccgagagacg aaagtatgtg gttaagaaga ttcgtttggc 240

taaacaaaca gagagatgca agcttgctgc aatccaagag atgagtttga tatcaaagct 300

taagagtcct tatattgtgg agtacaaaga ttcttgggtt gaaaaggatt gtgtatgcat 360

tgtaactagt tattgtgagg gtggagacat gactcaaatg ataaagaaat caagaggagt 420

attcgcgtcc gaagaaa 437

<210> 6241
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-F6

<400> 6241

acgcgtccgc ccacgcgtcc ggtcatggtt tgcctttgtg aggaaggtcg ttgcttgaga 60

aaaacccatt ttctaaaacc cttttctacc tccatcgatg gctctgtagc cgagcttccc 120

cgtcttgatg atcaacaacg tctctctgat tcttctctgc ataatacctc ttctgggttt 180

tgggctgcag atcatcattt cttcctatca tggcttggaa aaatgcaagc tttgtatgaa 240

cccatttgga aaaaagctgg aatttttgaa gcaatcaagg catccactta caaaatcata 300

aaagacacgt cctcgattct ctccattgcc gagaaatggt gttctgaaac caaatctttc 360

atctttccat ggggtgaagc aacaattacg ttanaggatg tgatggtgct tctaaggttc 420

nctgttttgg gttccc 436

<210> 6242
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-F7

<400> 6242

acgcgtccgc ttttctcttt tgtctcccct aaatttagtt tctcctttta agtcagattc 60

cttcctaatc ccattctttc agtcttctct ttcgcccttc tgagttcaac aactgtgtta 120

tctctatgaa cagttccttt gatgaagaan acaaagtgaa agttgctgtc tttataacca 180

ggatttggta agtcccattg tntcagtggg caattcttgc cgtggatctt tcaaggacaa 240

acncgangaa ggcgataaca atgagcctga agattactct aaaaccncta ccaccaactt 300

gtcgnctaat tccgaccatt cancgaacgn tgcagacatc antgctcaag natctccaaa 360

gacagcaaca ggaacaacaa caggaaagat cgaggtcntg tg 402

<210> 6243
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-F8

<400> 6243

acgcgtccga aaaataaaat aaagaaaagg aacagtttat tttcaaaaat taaaaactgt 60

tcttattctc cacatccaca tgatctctac aatctccaaa cactgttttc tttcacacct 120

tacacaaaaa aaaaactgtt cttttaaata attaaaaact gtttctttgt ttttttatta 180

ttattttgta atattgatac aaatttttg tttttataac actaatgcat atgtttgata 240

ttctcaaaat attttaatat attttataaa ttaatattta attaactctg cataacagtg 300

gcataattct agtatatata taattaaaga ggtttaagaa ataaggaaaa tttacgtact 360

catcanatta ttttactaca gacaaaattt tgcca 395

<210> 6244
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-G2

<400> 6244

ctttncccgc ccgtaccggt ccanaattcc cggggtcgac ccacgcgtcc gtgatcaatt 60

gtcatccgaa tgtctacgag acagattaat atctgatgaa cgatatagta tggcggtgta 120

tatgtgcaag aaatgcaaga ttgatgtttt ccccgtgtgg aaagcatggg gtcttgcttt 180

gttacggatg gagcgctatg ctcaagctcg agtcaaattc aagcaagcct ttcaattaaa 240

gggggaagac attcctgatg tcattcagga gataataaat acaatagaag gaggtccgcc 300

tgtggatgtg tcaattgtac gttccatgta tgaccatttg gcgaaaagcg cacctacaat 360

tttggacgat tctttatcag cagactcata cctaaatgtt ctgcatatgc catccacttt 420

ccctcgttca gagaagtccc ggagatcctg gaatcggaaa agaataattc tgtacctggt 480

<210> 6245

<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-G5

<400> 6245

acgcgtccga agtgtgactg tgatcaagtg aaggagctgc ttgaagatgc tgaaacaagt 60

agagtcattc agtttttgat gggtttaaat gatgacttta atactatcat gagtcagatt 120

cttaacatga agcctagacc tggactgaat gaaatttaca acatgcttga tcaagatgag 180

agtcagcgat tggttggaca tgcttcgaaa cctactccct ctccggctgc ttttcagact 240

caaggtttgc ttactgaaca gaatccaata ttgatggctc agggaaactt caagaaaccc 300

aaatgtactc actgcaatcg tattggtcac actgttgaca agtgttacaa agttcatggc 360

tatcctccgg gacatccaan ggcaaatcaa cagagttctt gtgtaggcag tacaaatcta 420

acaaggcatc cgatnagtc 439

<210> 6246
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-G8

<400> 6246

acgcgtccga tcccaccaaa gaagaaactg gaggagtacc ggagattgct gagtcttttg 60

gtaatatgga agtgactgat gagtctcctg atcagaagcc aggacaattt gaaagagact 120

tgtcgacgag aagcaaagaa ttcaaagagt ttgatcagga ctttgactct gttctcggta 180

aggattcgcc ggcgaaattt ccaggtgaat caggagttgt tttcccggtg ggctttggtg 240

acgagtcagg agctgagctg gaaaaagatt ttccgacgag aagtcatgat tttgatatga 300

agactgaaac tggaatggac acgaattctc catcaagaag ccatgaattt gatctgaaga 360

ctgaatctgg aaacgacaag anttctcccg atgggctttg ggtagtgaat caaganctga 420

nctgggaaaa agaatttgtc 440

<210> 6247

<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-H1

<400> 6247

acgcgtccgc ccacgcgtcc gagtgcgtgc acggtgcacc acgaatccac gatccagtga 60

gcagcagcaa ctccatctcc ggagctctag attcagataa gaacaatggc gattccgatg 120

cctactcgcc agctattcat cgacggcgaa tggagagaac ccatcttgaa gaagcgaatc 180

ccgatcgtta atccagctac tgaagaggtc attgggtgat attccctgca gctacaacgg 240

aggacgtgga tgttgctgtc aacgctgctc gaaagagcat tatcaaggaa taaanggaaa 300

agatttgggc caaaagcacc tggagctgtt tcgtgctaaa gtattacgtt ctattgctgc 360

caaaggtaaa tgaaagaaaa gacggatntg gaaaactcna ngcgcttgan tgtggtaaac 420

catttggtga aacantatgg gatatg 446

<210> 6248
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-H3

<400> 6248

acgcgtccgc ggacgcgtgg gcggacgcgt gggttcgtct tcttcaactt ccagagagag 60

aacgtagcaa aacagggctt accggagcag aacggaaaaa cccatttcga agctggagat 120

gatcgtgcta aggagtacgt cagtctcttg aaatcgaacg atccaattgg attcaacatt 180

gttgatgttc ttgcttgggg ttctattgga cacatcgttg cttactacat cttggctact 240

tccagcaatg gatacgaccc aagcttcttt ggatgattcg tttcannnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncctctg 360

tttcttcctt cngttgttgt tggttgttgt ccaaaganct tgtcccctcc ttttgcaaaa 420

tgttttaatt ccccatttan aa 442

<210> 6249

<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-H5

<400> 6249

acgcgtcngc ccacgcgtcc gggctacttc cttcttccgg cgactcgcta ggtcagctcc 60

gattacattc cctgtcgcat ttggatctca aagcaaatct ggntctggcg ctttccggtt 120

ctccaccggt gcaatcncgg cactttccgg tggattctcc tattactact tgacatccgg 180

caacaatctg gtttatctgg atcaagctaa ggaagagaca ggaccaaaaa ccgctctaaa 240

ccctgataaa tggctcgagt tcaagcttca agacactgct angagttagc cacaacactc 300

agttgttcaa gttctcattt gacccctcaa ctgagttggg tctaaatgtt ggcttcttgt 360

cncctgaaca aangggctcc cttaaggcta naaanggctg gaaagggaaa aacgaana 418

<210> 6250
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-A11

<400> 6250

cgggtcgacc cacgcgtccg cccacaacgt ccggggnatt ccnctcttnn gtgatntcan 60

agntctgttc cgacatcant ggctttttta gcgttgattg gtcngctcta ctccgaaatc 120

gtctgacttt cacagcagcg atgttcggct cttacgtccc gttttaatcg ggctctcgtt 180

cggcacctcc agctttttca gtgaagatga ccgactcttt tcccgacagc atacggctcc 240

atcagcggtg ttggtcggat tttagtttta ctttggccat agatgagtta ctctcacctt 300

ttggtctttg ttttcccttc annaanttca gcaattatgt gttgggtgat aacganttaa 360

gtgctangtt gcctaaactg ttgattntcc gactcatgtt gtttgaagct gggtttacag 420

gaattaataa tnatatttgc agnttaaaaa ttgaagagna agaagaagat 470

<210> 6251
<211> 478
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-B1

<400> 6251

ttttccgcg ccccgtggtc cgnaaaanac cggggtcgan gcacgcgtcc gcccacgcgt 60

ccgatcaatt ctcgcgatta agcanaaccc tagatttatt ctactcttcg aagtcgattt 120

caatggaagg ttcctcgtca gccatcgcga ggaagacatg ggagctagag ancaacattc 180

tcccagtgga accaaccgat tcagcctccg acagtatatt ccactacgac gacgcttcac 240

aagccaaaat ccagcaggag aagccatggg cctccgatcc taactacntc aagcgcgttc 300

acatctcagc ccttgctctt ctcangatgg tgngttcacg ctcgctccgg tgggcacaat 360

cgagatcatg ggtcntangc agggtaaann cganggtgat acaatcatcg ttatggatgc 420

ttttgccttg cctgtgtgaa ngtactgaga ctacggtnaa tgccagtctg atgcctat 478

<210> 6252
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-B2

<400> 6252

acgcgtccgc ccacgcgtcc ggaaaaactt tggatcaatc aacaatggcg gatctctctc 60

ttcctcccga ttccctcttc ctcggcttcg acagctctac ccagtcaatg aaagcaactg 120

tgttggattc gaacctgaac attatcaaaa ccgaactcgt tcatttcgat tctgatcttc 180

ctcaatacaa aaccaaagac ggggtttaca gagacactac tgtaaacgga agaatcgtat 240

ctccaactct catgtgggtc gaagcatttg atctcattct ccagaagctc tctaacgcca 300

atttcgattt cgccaaagtt atcgctgttt caggcaacgg gcaacancac cggtagngtg 360

tactggtcaa aagtagttct gaggtactga natnattgga ttcaaagaga tcattganng 420

aacaagctcg aaaagctttt cggtn 445

<210> 6253
<211> 446
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E2-B5

<400> 6253

acgcgtccgt gtntttatag gttgtgtata gtctttcttg gtttcgatgt gttctttgtt 60

gttttctgcg ttgcattggc ttgtgttatc ggcattgctg tttgctgctg cttgccttgc 120

atcattgcag ttctatacgc cgtagcagaa caggaaggag cttcgaaaga agacattgac 180

caacttacta aattcaaatt ccgaaaggtt ggtgatacta tgaaacacac tgttgatgaa 240

gaacaaggac aaggagattc tggaggagtg atgactgaat gtggtacaga ttcacccgtt 300

gaacatgctc ttcctcatga ggatgcagaa tgctgcattt gtctttccgc ttatgaagac 360

gagacagagc taagagaact tccttgtggc caccatttcc attgcngttg tgtggataan 420

tggctttaca taaatgcact tgtccc 446

<210> 6254
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-009-Q1-E1-F2

<400> 6254

acgcgtccgc ccacgcgtcc gcggacgcgt gggcggacgc gtgggcaccg cacctattga 60

tcccaatgcc aaagaggtaa cgaagcgcgt ggactcaaac gagaaacatt ggtcgggatg 120

gaactggaga acggaaggtg acgttatggt taacggagct tttttcgtgc cgtcaggtga 180

cggagtgagc ccagcgtatg ccagagccac cagtgttcag cctaaagccg ccgcgatcat 240

tgaccagctc acggtcaatg ccggcgtttt cggcgatcca agtgggagaa acggccaagg 300

aggaagcttt cccggaatta cgaacggtgg tgggaccatc acgcgcggtt acagtaaaag 360

tggacctgcc ggcggtggca ncggcagtga cagtgatgat gggcttttca cattgatatt 420

cggtaacaat aacggtgcg 439

<210> 6255
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-D11

<400> 6255

acgcgtccga ggatatctag ggctaatgtt gcttcttgat gagagacaag aagtgttgat 60

gcttgtcaca aattcgttaa aacaagatct taatcactcg aaccagtatg ttgtaggact 120

tgctctctgt gctttaggga atatttgttc agcagaaatg gcccgtgatc ttgcgccaga 180

agtagaaaga ttaatccagt ttcgtgaccc taatatccga aagaaggcgg cgctttgctc 240

tactagaata ataaggaaag ttccagatct agcagaaaac ttcgtaaatg ctgctgcttc 300

cttgcttaaa gaaaagcatc atggggttcc tataacanga gttcaacttt gttatgaatt 360

atgcacgatt aatgatgaag ccctagagta cttcaagaac gaaatgcaca gaaggactgg 420

ataaaaaact ttganggata ttactaa 447

<210> 6256
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-D3

<400> 6256

ngtnccggtc caagaattca cgggtcgacc cacgcgtccg gttgttccct tatataaaga 60

aactcttcct ttcataccaa aaaaaaaaaa aaaatccatt ttcatttctc ctcttaaaaa 120

accgccatga cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna 180

agctacgacg gtggcttcat cggagccgcc gatgcagaac atgacctcag agccactgat 240

ctccataatc atcgccatcg tcgccaccgt aaccaccatc gcggagaaga gtttgagtac 300

tcagccatat catgtagagc ttactcagcc tcattggacg agtttggcgc cgtaggagac 360

ggtgtaactt caaatacagc ggcgtttcgc gacgcggtgt cacaacttaa ccgtttcgca 420

gactaaggtg gctcaatggt aattggtccc gcccggacng gtgggctcaa ccggaaact 479

<210> 6257
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-D4

<400> 6257

aattcanggg tcgacccacg cgtccgagga cgcgtgggcg gacgcgtggg ctctctctca 60

ctttcgaata tatcttagat aacagagaca catactctta agtttggtga agaataagaa 120

gacaatgacg aaggaagtgg ttggtgataa gagatctttc tccgggaaag actatcaaga 180

cccaccacct gaacctctat tcgacgctac tgagcttggg aagtggtctt tctacagagc 240

tctcatcgct gagttcatag ccactctcct tttcctctat gtcactatta tgactgtcat 300

cggttacaag agccagaccg ntccagccct gaatcctgac aantgtanag gcnttgggcg 360

tccttggtan cncatgggcc tttgggggca tgattttcan cctcgtcnan ngcaccnccg 420

gatctcnggn gggaatatta acccggg 447

<210> 6258
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-D5

<400> 6258

acgcgtccgc ccacgcgtcc ggactactct catcattgct catcgccttt ctaccattcg 60

aaaagctgac cttgttgctg tgctacagca aggaagtgtc tctgagattg gaacgcatga 120

tgagcttttt tccaagggag aaaatggagt ctatgctaag ctaattaaaa tgcaagaagc 180

agctcacgaa accgccatga gcaatgcaag aaagagtagc gcaagaccgt cgagtgctag 240

aaactcggtt agctcgccaa taatgactcg gaattcgtcg tatggaagat caccttattc 300

acggagacta tccgatttct caacttctga ttttagcctc tccattgacg cttcgtccta 360

ccaaaactat agaaacgaag aactggcctt caaggatcaa gccaattcat tctggcgact 420

agctaaaatg aatctccaga 440

<210> 6259
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-D7

<400> 6259

acgcgtccgc aacggtcgag agatggtggg tctggttcga gaacccttga acgtatatga 60

caataatgca atcagagtac tcaacacgcg atctgagcaa gtgggtcaca tcgagcgtac 120

agtagcagcc gttctcgcgc cgatgattga ttctcacacg atcgtcgtcg agggtattgt 180

acccaatact cgttctaact ccaataggta cagaatccct tgtcaaattc atgtatttgc 240

aaagttagaa gcgtcctcta ctgtgaaatc gacgatttct agaggtgggt tagtattgat 300

ttcggagtca gatacatcgt ttgggttatc tgaggctgtt gtggttaagg aacagatggg 360

aaatggagat aagangagtg ttgataagat ttttaaactt gttgatgana atgtgaaatt 420

aatggggaaa ttggtaaccg 440

<210> 6260
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-E1

<400> 6260

gtgccggtcc aagaatnacg gggtcgacgc acgccttcgt tctcaaccga ctccaaatnc 60

aaaannncaac ccccccccaac cccaattccc cgggtccaat aactcaacgt cccaacccaa 120

atttaaccct tncgnaataa attttaacgg ggggaggatc aaatccgccg attctgttgt 180

aacaagctac tgtattttgg gcttctcatt tgatattggg gaaacgagga gtagaggacg 240

atggaaaatc tgatctctct ggttaacaag atacagagag cttgcacggc tttaggagac 300

catggagact ccagcgcttt acctactctt tgggattcct tgcctgcgat ngccgtcgtt 360

ggtggtcaga gctcaaggaa gtctcagtcc tggagaacat cntgggaaaa ggacttttaa 420

cccgtggatn tggcaatgtt actccaaagg ccccttgcct ana 463

<210> 6261
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-E8

<400> 6261

acgcgtccgc ggaagagtat tcaccangat aacctaattt ccaagactga gaggtttctc 60

tctcattccg tctacaagag cttgcgtgaa tccattaaag ctctcaaagc ttgtgagtca 120

gtctctcctt tagccggatc gcttggtata acggaacagt gcatcgactc tatagtctcc 180

agagcttcct cagctgatcc ttcactcttc ggttggccag taaacgatgg cggcggaaga 240

ggaaacatct ccgccaccga tctgcaactt atacccggcg gcgcggcgaa atctcgaaag 300

aaaccgagta gagattcgaa catggagctg tggtttgaag atctgacgca actgagtctt 360

ccgatcttca aaactgtgat cctatcaatg agatcaggag atctgagctc cgatatcata 420

gagagctgtt tgatttgtta cgc 443

<210> 6262
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-F11

<400> 6262

ngcccggtcc aagaataacc gggtcgaccc acgcgtccgg ctttaatcat gcagcggcga 60

ctattgggaa caaaatgata gtagttggtg gagagtctgg tagtggcttg ttggatgatg 120

tacaggtgct taactttgat tcatgtacat ggtccaccgc atcttcaaaa gtttacttat 180

cgccgagtag tcttcctctc atgatccctg cttggaaagg ccattgcttg gtctcttggg 240

gtaaaaaagt gctgttggtg ggtggaaaaa cagatcctag cagtgataga gtttcagtgt 300

gggcatttga tactgattcg gaatgctggt cactaatgga tgcaaaagga gacttaccgg 360

tcagtcgcag cggtcacaca gtggtgaagg ctaattcggt attgatacta ttcggtggtg 420

aagactctaa gaagangaaa ctaaacgatc tcanatgttt gatctcaaat 470

<210> 6263
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-F7

<400> 6263

acgcgtccgg gcgtattctc ttcctacatt tccccaagcc ttaccttgct cgtcaaccaa 60

aacttcttcc tccttggcta ccttccgatc tcctttctta agattcaatg gttccacttc 120

cttaatcccc tcctctatct ccatcacttc acgtggcaca tcctccccga ccatcatccc 180

acgtgctgcc gcctcagaat ccgactctaa cgaagcccta gccaacacaa ccttccacgg 240

cctctgctat gtcttgaaag acaacataga cancgaacag atnatcccaa canggagccg 300

cttgcacttc catcgaaaca agcaagaacg tgatnagatt ggcgctcaag ctctctcngg 360

tcaacaanac ttccacaaaa anacgggtta attgagccaa gganaaaaa 409

<210> 6264
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-F9

<400> 6264

acgcgtccga ggaattctga tagannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnggaaa ggattgaaga accctaattt gattcataag aaagacacta tttttagatt 120

ttgcgtttgg ttgattagag taaccctaat ttgttactcg gatctaatcg tctactttga 180

cttaagatga atgatctgta aatatttaga tctaacatgt cttgagaaag tttcaatttt 240

ttcttaacgg tgaatttgat ttcttattct tcagtatata tactcttcca caaagaagat 300

gctcaaggtc cctgaacacc aagttgctgg gtcacattgc taatgatggg aanctccggt 360

ccactcgtag atgaccaang ccggttcttc aaagccactt caaggaaaat tctcgtggcg 420

aacacgaagc naaagtt 437

<210> 6265
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-007-Q1-E1-G1

<400> 6265

ggtnncggtc cagaattcan gggctccatt ggtgagctcc acctcttctc cgatgaggct 60

tttccggcga atccggccat tgatcatctg caaatctcag gtttcttccg acgatctcca 120

tcttccactg tcacttctag cacttttatt ccccaatttc tattgccttt aggctgtagc 180

tgctccatct caatttctgg gttttgcacg agaaccctta atccctcctt tttttttgt 240

ttctcgctga aactttcatg agctactcca cctggaacct atcactttct aacacggctc 300

caaaatattc cgaggtagct tcttcccaag tacttttttc aaatctatcc tgcaagatna 360

agtcacaaac actangactg tttctccaat gaacaacgaa agcctttcat ccngttaaga 420

tgaactccgc aagctcctaa atccggattc cttgaaacct caacacataa actccaaaag 480

<210> 6266
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-G10

<400> 6266

acgcgtccga tttagagcgt gtgagggaga taggaagaga gaaagtgagc gagagacgat 60

cacggccgcg ctgaaatcca cgaccacggc cgcgctgaaa tccacgacca cggccgctct 120

gaagaagaag actctctccg tctcctccct tctcctcctc cgtctaagag acaaggcatc 180

cccagacgcc atgatctctc tcactccctc gttgtttctg aacaagacgg ttgttcctgg 240

atgttccaca cgcctctctc tgcgccagcc tagaactata attactcctc ctgcttcctt 300

gagagtcttt tcctctctcg gatctaacca ggatcccacc ggcagcgttt tgattgagac 360

cactgccact tcatcctcct ctctcgagac ctccgccgcc gacattgttc ccaaatccaa 420

cgtatctggt gg 432

<210> 6267
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-G11

<400> 6267

acgcgtccga taatattcaa atggtggaag caggaaacat gctgatatca atccaagtgc 60

ttcgttctgt gactaacaac ttcagttcag ataacattct tggatcagga ggtttcgggg 120

ttgtgtataa aggcgagttg cacgatggaa cgaagattgc ggttaagaga atggagaatg 180

gagttattgc tggtaaaggc tttgcggagt ttaaatcaga gattgcggtt ttaacaaagg 240

ttaggcatcg tcatttggtt acgcttcttg gttattgttt ggatgggaat gagaagttac 300

ttgtgtatga gtatatgcct caagggacat tgagtangca tttgtttgag tggtcagagg 360

aaggacttaa agcctctgtt gtggaaacag agattgactt aactttggga tgttgctaaa 420

agtgttggat aaccccaagg a 441

<210> 6268
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-H12

<400> 6268

tanccgggtc gacccacgcg tccgcccccа cagatgaatc tcaaaatgat ggtagtgctg 60

aaaaggagga atcagacgag gttaagaaag tggaggattt tgtaaccgag aagaaggaag 120

agttgtcaaa ggaagagttg gggcgtcttg ttgcctctcg ttggacagga gagaaatctg 180

ataagccaac tgaggcagac gatatcccca aagctgatga tcaggaaaac catgagcaca 240

cgcccatcac tgcacatgaa gcagatgaag atgatggatt tgtttcagat ggtgatgagg 300

ataccagcga tgatgggaaa tacagcgacc atgaacctga agatgattcc tatgaagagg 360

agtatcgcca tgattctagt tcttcataca aatctgatgc agatgatgat gtcgattttt 420

cagagacnac ctcaaatcct acttggt 447

<210> 6269
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-C7

<400> 6269

acgcgtccgg gctaaggtgc tttacagttt catgaccggg tttgtgagca agaatcctag 60

gagttcttac ttcaattacc gggatgtcga tatcggtgtg aatgatcatg gggcgaatag 120

ttacaaggaa ggagaggtgt atggaaggaa gtatttcgga gagaatttcg atcgattagt 180

gaagattaaa accgcggttg atcccgggaa tttcttcagg aatgaacaga gtatacctac 240

cttgaaaagt aaggcataat tgatatatga tcatttaata taaagattgg cttcctataa 300

tgtaatgttt agtgaancac tatagaatat atggtttggg ataattgtan attgtatagt 360

ttccccngtt catggaactc tacaacaaac cncattgata agtgtaancc aaaattgggt 420

ttggtanaac ca 432

<210> 6270
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-A8

<400> 6270

acgcgtccga gcagcaattg ttacgacagc aacagcagct gtattctcag gtttttgctg 60

atcaacagcg ttctcagcaa cggtttggag acccatctta tggtcagttg caggcgtctc 120

ttgatgcgct taggctgcaa ccatcaaaag atatgtcaca agtcaatcag caggtgcagg 180

ttcctgtttc ccatgaggag cgaggcatca acttagctga tttgctccca gtaacccatg 240

ccactaatca gactgttgct tctttcgaaa cccctctctg cacctgcaaa acaactattt 300

gggtaatgtt gaccctagga tggttctgcc tgatcaaatt gatgataccc ataaaaaaga 360

gtcgaatcag aatatgaaag aacagtttct gcagactatg tgaacagctt gtactcagaa 420

aagccgtcct ttccctg 437

<210> 6271
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-B1

<400> 6271

aacttctacg cttgcccgtn ccngtcaana aattcaaggg tcgacccacg cgtccgcgga 60

cgcgtgggcc tcaatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnngac accagggtcc caatgaccac gagaaagggg 180

cctccaagca ggttggaagg cgggagcgtg ctaaaccgga tccatcgaag caccaccaca 240

ggtctcatct tcctcattct aagaaaatcg agaccgaaga agagaggagg cttaggaaga 300

agagggagtt agagaaacaa aggcaagacg aaaaacatag acagcagatg aaaaattctc 360

acaagtctca gatgcccaan ggacacaccg angagaagaa accgacgccc ctactcanca 420

acgacagggt cgagaatagt taaagaaacc aaacaacttc atctgcaagc tcaagttccg 480

gatgagtcct ga 492

<210> 6272
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-B11

<400> 6272

tnccgggtcg acccacgcgt ccgaactcca aaagcatctc tctgtttctt ctcctctctt 60

caagcttttt gtttcgtctc agtcgtcgtc atcatctctg acagatctaa gaacaagttt 120

cgagattgga tattgacgac aacgatatgg gacttggagg tagtgaaaca atggaatgca 180

agtgtggtat gcctctgtgt atctgtgtag ctcctcccaa atcaactgat aaaccaaacc 240

cacctgctac cattgctcct gtggttcttc ctcagttgaa gtcagaggct tcagcaaaaa 300

gtaaaggttc cacttccagc agcaatgcta gatnagctct aaatgctgga ctagacaccc 360

cccaaagaga ctatgaagcc agtggggaag gattaaagag aagcgattaa gaatggtgac 420

aagtgctggt gcgaaaaaac ttctaaaaaa ggcgttagat g 461

<210> 6273
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-007-Q1-E1-B12

<400> 6273

tttactcgnc agcacggtcc aagaatnccc gggtcgaccc acgcgtccgc ttgtttcaca 60

cagtttcttg atccaaccaa aaccaataca caaagcttct caaactcctt cacctcaaag 120

cttcttcctt tacatctgaa tcgttgagtt aactcggatt tgttctgcat cctctgtttc 180

tgaatcgtgg gccatcctta ttttgtctcg aattcttcac caattgcttc gatcaagctg 240

cattggttaa ccagttgccc taaagatcag atctttgagc aaaatttttgt cactgatctt 300

ctaaatccaa accagacaca gcaaaacaac ctctgtagat gattcgagaa atctcaaact 360

tacaaaaaga tattataaac attcaagaca gttattcgaa caaccgagtc atggacgtcg 420

gaagaaacaa ccggaaaaac atgagctttc gaagttcgcc gggagaaaag caagcaag 478

<210> 6274
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-B3

<400> 6274

naactgttac gcctcccggt nccggtccaa naattcaagg gtgctgggag atgacaancc 60

tgtgtttatg attcaagaag tgtctactga ggaacctcga ggttccgtgc tcagactcac 120

attcgcctgt aactcttttc tatcatggtc aactatgtca ggcgttcttg atagtgcttc 180

gatttgttgc aagaagatac aaatctttga gaagaagggg ttgactctcg gggttgttct 240

tcttctggat caatctgggc aacatagttt gtttaaaacc cgggtagaaa acaccctcaa 300

ggttgcaacc aaaaagccaa aaccgacatc tgttaagctc cctttcgggc tttgtggctg 360

tcaagaacag aacggtggtg tangggaact tggangtgtt gaagaagagt ccattcagca 420

taataatang ctaaggatag aaaacttgaa taatacgatt caagatcaag gttcacttcg 480

agttctcaat tt 492

<210> 6275
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-B4

<400> 6275

gggaactgtt taccctgccc ggtgncggtc caagaattca cgggtcgacc cacgcgtccg 60

atggcttctc tcctttagag cgcatcaatt cagactgttg tgtgtttccc ttacttgggc 120

ggagtcattg agctgggcgt cactgaattg atttcagaag accataacct gcttcgaaac 180

atcaaatctt gcttgatgga aatatctgca caccaagaca acgatgacga gaagaagatg 240

gagattaaga tcagtgaaga gaagcatcag cttccattag gtatttctga tgaagacttg 300

cattacaaaa gaaccatttc aacagtactc aactactccg cagatagatc aggtaagaac 360

gataagaaca ttcgtcatcg tcagccaaat attgttactt ctgaacctgg ctcaagtttc 420

ttgcggtggg aagcaatgtg aagcagcaag tctcgggttt tgttcagaaa aaaaagtcac 480

aaaatgtgtt gccggaagat at 502

<210> 6276
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-B5

<400> 6276

acgcgtccgt ccgaattgaa tatttcggac ccgaaacctg acccgctttg atgggctgga 60

ttccgtgtcc gtgctgggga accaacgacg atgaaaacgc cggcgaggtg gcggatcgtg 120

atccggtgct tctagtatct ggaattggag gctctattct gcattctaag aagaagaatt 180

caaagtctga aattcgggtt tgggtccgaa tatttctagc taaccttgcc tttaagcaga 240

gcctctggtc tctctataat cccaaaactg gttatacaga gccgttggat gataatattg 300

aagtattggt ccctgatgat gaccatggac tctatgcaat tgacattcta gatccctctt 360

ggtttgtaaa gctttgtcac ttgacggagg tttatcactt cacgatatga tagaaatgct 420

ggttggatgc ggttata 437

<210> 6277
<211> 442
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-B8

<400> 6277

acgcgtccgc ccacgcgtcc gctctctctc tgctccattt ctctcacttt cttcacatct 60

ctgaagctct tcgtcacgca tctacaatgg catcgatgat gcaaccgcag atcatactgc 120

tgaaggaagg gacggacaca tctcagggca aagcgcaact agtaagcaac atcaacgctt 180

gcactgctgt tggagatgta gttcgaacca cgctcgggcc acgagggatg gacaaactca 240

ttcacgacga taaaggatcc gtcaccattt ctaacgatgg tgctaccatc atgaagctcc 300

tcgacattgt tcatcctgct gctaagatcn tcgtcgatat cgccaaatcc caagactccg 360

angtgggtga tgggacacta cagtggttct tcttgcacan anttttgaa ggaagcgaaa 420

ncatttattg aggatggtgt tc 442

<210> 6278
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-C1

<400> 6278

ngttaagctn cccggtgccg gtccaaaatt aacgggtcga cgcacgcgtc cgaggctttt 60

agacgaccac tcatagtaat cgttatcttc atttatataa ccgccggcgt gaaaatcgcc 120

gccgcggatg agccggtgcc gacgccatgg ccacaccagt tccacgcgct aatgttcatg 180

aattactccg gcgatctctc gatgatcgac ctttggtacg actggaccaa cggtcgtaat 240

ttcaatatca tccaggagca gctcggtggt attacctacg accttgaatg gaacaatggt 300

acttccttct tttacacgct cgacgagtca aaatcgtgcc gctccggtca gctcgaggtt 360

ggaatactgc gaccaaactg gctagatgga gccaagtact tggtcaacag aacgtgagtg 420

ggtttcctct gcaatggtat ggggaaaaag gtagacnttt atatgggtac taatgaaaga 480

tgttgaaanc caagaa 496

<210> 6279

<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-C11

<400> 6279

acgcgtccgc gataaggaaa tatctaacca gaccggccca aggagcgggc aaaatcagaa 60

agcatttgat cttcaaactc ttgggttctt ctctgattga aaatgagctt atcatcgcca 120

accagtgctt gtagctcgtc cagatgttac tcctcgggat tatcgtttcc gattggattt 180

ggatcgaatc ccatcaatgt gggattggtt tgttacccaa aaagatacag tattgctgct 240

cggaagttcg tagtggcttg ctcctcctcc tcttccgatn cacttttggt taaggctgca 300

aaagggcaag ccataagtcg tcctccagct tggatgatga agcaagcang aaggtatatg 360

gctgtttacc aaaagctcgc caagaaacat ccgtcttcan annagagatn agagaacact 420

gatnctaata gtggaaaatc tccttg 446

<210> 6280
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-007-Q1-E1-C12

<400> 6280

acgcgtccgc tctctggagc cgccacgtct cagtgatccg actacgacac ctttcttcac 60

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agatcgcttt tagctctcgt ctttgaattt tacgggcaga aaatgggtga agaagctcga 180

gcgttagata tggaggagat cagtgacaac acgacgagac gaaacgatgt cgttcatgac 240

ttgatggttg atttatacce gcttagcagc tactacttcg gttcaaaaga agctcttcgc 300

gtcaaggacg agattatctc tgatcgagtc atcagattga aatccaatta tgctgctcat 360

ggattgagaa cttgcgttga agctgttctt ctggttgagt tgttcaagca tcctcatgtt 420

ttgcttcttc aata 434

<210> 6281
<211> 495

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-C2

<400> 6281

aactgttacg cttccggtgc cngtcnagaa ttcangggtc gacncacgcg tccgcacaaa 60

gaaggagctc ttaaaggcta tagacttaag acttgaagct attaaaaagg acttgacaac 120

gtccatttct catgcatcag ctagcggttt cgaccctcat actgtttccg aactcaaaca 180

atttgctgat agatttagtg cacatcattt ggatgaagca tgcagtaaat atatctcact 240

atggaagcaa aggccagact tgatcgacat gaagtactcg aatcagttgg ctggtgttga 300

caatgtcagc ctccaaaaag atagcacgcg ccagaagcaa aatgcggtaa acgaatcaga 360

acatcaaatt caacagtgtg ctactacaan taccaaaagg aatgaagagg agaaaactga 420

tgacantttg gatgtaaccn cttctacagt taagactacc caacacacaa gacgacncat 480

tgtgcaagga tagga 495

<210> 6282
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-C3

<400> 6282

ggtnccggtc canaattcac gggtcgaccc acgcgtccgt tcaaagctac aaaagccata 60

aacgaaaaca ttcttcttga aatgccagtt cccattgtta tcaaggaagc aatacctaaa 120

tctggaaaga acagcctcgg tgatgaactg tacaagatgt tggctgtgga atctgcaaca 180

gtagatgaaa tctttatatc gctcaatctg ggaaccgaac atgcagcact cgagacagtt 240

aacaagttag aatctgctat gtttgcttgg aaagaaagga ttacagaaca aggcagcaat 300

ggtaaatccc ctgtaagagc atcgtggtca ttcgctaaag attcgttgtc tgaaattggg 360

tcgcaatgag tcactccttg aaccgagcaa gaaaccgcct aagaaactca agattaaatc 420

ccaaaacaac cctaatcctc ccctcaactc cgtttccttg atngctacaa aagattccaa 480

ttatgaccaa gggacattan 500

<210> 6283
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A4

<400> 6283

aactttaccc gccagtaccg gtcnagaatt cncgggtcga cccacgcgtc cgcccacgcg 60

tccgtgagaa tgctattgaa cttctcaaaa caattggggc tttaaatgac gtggaagagc 120

ttacacccct tggtcggcat ctttgcactc tacccgtgga cccaaatatt ggaaagatgc 180

ttctgattgg agctatcttc cagtgcgtca atcctgcttt gacaatcgct gctgctctgg 240

cgtatcgtag cccatttgtc ttaccattaa ataggaaaga ggaagctgat gaagccaaac 300

gatattttgc tggtgattcc tgcagtgatc acattgctct tcttaaggca tatgagggat 360

atcgggatgc aaagcgtggt ggaaacgaaa aagatttttg ttggcaaaac tttccttccc 420

ctgtaactcc aaaggatgat gggaggatat gagaaaacaa tttccttgat ctccaacaan 480

atataagggt tg 492

<210> 6284
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-G7

<400> 6284

gcgntcagta caggtcagaa attcccgggn cgacccacgc gtccncccac gcgtccggta 60

ctcagcacca tcaatggacc gcccggagac gatcgccgtc aaatgcgaac ccatgaccgt 120

tgactctcct tctcgacctc taaagcttgt agttttagct gaccttaatt tcaatcctcc 180

tgagactgat gatcttgact catccattcc aatccctact cctcctccca tcactaggtt 240

gagtaacgag gaaagtcatc aagagggagg tatattaaca tgcaaggagg tggaaccagg 300

agaagtagaa gccaaaaaga tcagcaaggt gggaaaatgc cgctccagaa gtaagattga 360

gtcttcctct gattgtggag ttgatgcaga tggtgatctg gctaatcaag gggtccntgc 420

atcccgggaa gaaaaaatca gtaactcaaa atgggtttga ttcatgttgc aaa 473

<210> 6285
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-G8

<400> 6285

acgcgtccng ccccggctat cagatcgtct tctttatcgc tcctctaatt atattcatct 60

cgagagacga gagctaaaga actacttcca aaaaaatgcc gattgctgag cttgctgtaa 120

tcaaaacagt gggtgggcct ctgatagcgg ctgctcttgg agttggagcc caagtcattt 180

acgacggctt cagaaaagga aaagatacat ctatcataaa ccgtctcggc cgtacaatgg 240

aaagtatcag tccggtgcgg gatcgaatcg gtaagctcag taatgtggaa ggtaaaccat 300

ttagggaagt ccacgaaagt cttacgcgtc tccttgaaga tgcgaaatct attattgaga 360

aatattggaa actcaagatt ggagcaagac acgtttgcag gaagtacaag tttgtatatt 420

ttacatgaaa attnaa 436

<210> 6286
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H1

<400> 6286

cccggtcaaa nataaacggg nccaggcacg cgtccnngga cncgtgggct ttttttttg 60

tttgggcctt cttatanaaa gaagaactca anagcacaga gagaagatga gcgaagaaca 120

accacacgcc aatctagcgg ttcccgcgtt taaaactgag aaagagccca taacgcaaac 180

acgaaatggt caaagtagcg tttggcgttt cggtggaagt gataaggcag cgaaagcatc 240

caccgtaacg cttagaggtg tcatctacat gctcttcgac aactgcggca aagacgtcaa 300

taagaccatt ttacccctcg gccacggtga cccttccgtc tacccttgc ttccgtacct 360

gtatcgaagc tgaagacgcc gtcgtcgacg tccttcgctc cggcaaaggc aattcttacn 420

gtcccgggag ctgggaatct ccccgcaaga cn 452

<210> 6287
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H11

<400> 6287

ttttatttcg ncgccacggt ccaaananac ccgggtcgac ccacgcgtcc gcccaagcgt 60

ccgcggacgc gtgggcgaac tcaaagctat ctctctccct ctatctctga ggcacgcatt 120

ttcgtctgtg attctcgagc tcttttgggg tttctccgag atttttggtc ggttcttcac 180

gttttgttta tggcggtgat tacgtgatga aagtcaccgg aaagccgtat tcgacggcga 240

cattaccggc ctttgagtcg gataagaatc tcttctctca cggtccanat ctcagagcta 300

ttcaaagagc tactactgtc actaaacgtc gagctaggaa cccgagtttg actcgtcagc 360

gaagatccgg tccttctggt ggcagacgaa accggccgga gactccttta ttgaaatggg 420

aaagtggagg atcggatana gaagagaaac cgggttgtat naaacgataa ttggaa 476

<210> 6288
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H2

<400> 6288

cccggccggt caaaaataac gggncgaccc acgcgtccnc ccacncgtcc gcttggtggc 60

ctaatgggaa tgaagagtgg tggcctcagc ttggtttacc aaatgagcaa ggtcctcctc 120

cttataagaa gcctcatgat ttgaagaaag cttggaaagt cggtgtttta actgcggtga 180

tcaagcatat gtcgccggat attgcgaaga tccgtaagct tgtgaggcaa tcaatgcttg 240

caggataaga tgacggcgaa agagagtgct acttggcttg ccattattaa ccaagaagag 300

gttgtggctc gggagcttta tcccgagtca tgccctcctc tttcttcttc ttcatcatta 360

ggaagcgggt cgcttctcat taatgattgt agcgagtatg acgttgaagg tttcgagaaa 420

ggaacaacat ggtttccatg tggaaaancc gga 453

<210> 6289
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H5

<400> 6289

acgcgtccnt tcagcttctg agtcttctcc tctctctcta tctctcaagt gggctttgct 60

ttgctgtttt tgtcttcctt cgacgactca cttttgcaga ttctcataaa ttcttcaaag 120

ctttgagtct tttttcagat tcgagggtcg gttttatata tgcttcaaat ctcttaccca 180

aatcaggtat ggagactctg catccattct ctcacctacc tatctctgac caccggttcg 240

ttgttcaaga gatggtgagc ttacacagct cgagtagcgg tagctggact aaagaagaga 300

acaagatgtt cgaacgagct cttgcgatat acgctgaaga ctcgcctgat cgctggttta 360

aagttgcttc catgatccct gggaaagact gtttttgatg ttatgaagca atatagtaag 420

cttgaagaag acgtttt 437

<210> 6290
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H6

<400> 6290

ttttttttttt tttggagtta gaatgctntg aattccaanc cagagaagat tcanntaaaa 60

canagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagna 120

cgataacagg aaacaaagat acagtcagta ctcagtantt tgagggcacc tacggaaagc 180

aagtaanacn acagagggtn gacgttccan tgcttaatga tgaaacatca tcagtacaag 240

canacgtgtt tttcatcata caccgtatca ctttcacaag tggctgcant cattccgcag 300

catnangaga ttgacntcga naagcagcat caactttgcg cagaggagca ttggctacca 360

ggagatgggg acctctcatt gctacgcctt tcaagagaca tctccttang 410

<210> 6291
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-H9

<400> 6291

ncgggtcgac ccacgcgtcc gntcantttt cttcgctctc tttagattct ttttttctca 60

tatctctcct tgatcctctg ttttttattc tgaggttgtt tttcggagaa ggaatcacct 120

aaaccctttc aaatctcttc ttctaccaaa tatatttttt tggatgaaaa aaacttctac 180

caaattctca gattttattt ccttgagggt tttgtgtttt ttttgcatgg tctagttgat 240

ttctgaaatt taagtatatc ttgtttacga taatatagaa aaaaattatt ggtgtttttg 300

tgtgtttata atttatcttg ggtcaatgat aatagtggac gacgagtcgg tgtcttaggg 360

tttacttttt gtaaagaaaa ttttcttgtt gaattattgg ctttttgtga attcgatttt 420

cncctaatta a 431

<210> 6292
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A1

<400> 6292

agccgccagt accggtcnag aattcacggg tcgacncacg cgtccgccca cgcgtccgca 60

tttccatact tggccttcac taaagattaa gtttttgcac ttctctcttt ctctcgatcg 120

ctgcttcttc gtcgctcaat ctcaagctcc gttccgttag ttcttcgtcg gagagacggg 180

gtggagagaa tcctgctgca agtggtagct gtttgatact tgagtcattt tgtcacagca 240

acatgaatat gccgctgttg gatattcaac cacgaacgtt gcagtttgca gttgacctga 300

agaagcaaac ttcctgcgtg gtacagctaa ccaatactac ccatcattat gttgcattta 360

aggttaaaac cacatcacca aagaagtact gtgttcgtcc aaatgttggt gttgttgcan 420

ctaaatcaac ctgtgaantc actggtcant aagcaaagct ttaaagaaac anctccagat 480

<210> 6293
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A10

<400> 6293

acttggccag ncccggtcca agaataccgg gtcgacccac gcgtccgcct cagtcgccct 60

acaatggctt tgcctttgtc tggcacgcgc cacctcacgc gcgctctcct ctctaatgtc 120

actcttatgg ctcctcctcg gattccttcc tctgttcact acggtggatc tcggttaggt 180

tgttcgaccc ggttcttctc aattcgatgt ggagctaacc ggtcaggttc tacttactcg 240

ccgcttaact ctggctctaa ctttagtgat cggcctccga cggagatggc tcctttgttt 300

ccgggatgcg attatgaaca ctggcttatt gttatggata aacctggcgg ggaaggcgcg 360

actaagcagc agatgattga ttgttacatt caaaccctag cgaaagtcgt tggaaatgag 420

gaagaagcga aagaaaccaa tctacaatgt ttcaatgtga agaaggtatt taagggttgg 480

<210> 6294
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A11

<400> 6294

aacgttactt gccaggcccg gtccaagaat aaccgggtcg acccacgcgt ccgctctctg 60

gagccgccac gtctcagtga tccgactacg acacctttct tcactcttct tcttgcgtct 120

tctctgctct cgtggtctct ctgttattta attttaatcg attgagatcg cttttagctc 180

tcgtctttga attttacggg cagaaaatgg gtgaagaagc tcgagcgtta gatatggagg 240

agatcagtga caacacgacg agacgaaacg atgtcgttca tgacttgatg gttgatttat 300

acccgcttag cagctactac ttcggttcaa aagaagctct tcgcgtcaag gacgagatta 360

tctctgatcg agtcatcaga ttgaaatcca attatgctgc tcatggattg agaacttgcg 420

ttgaagctgt tcttctggtt gagttgttca agcatcctca agttttgctt cntcaatata 480

gaaactc 487

<210> 6295
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A12

<400> 6295

acgcgtccgc aacggtttgt tcgaagaacg agaagcaaca atcaagaagc taacaatgct 60

ttctgcacat cgtttatctg attcagtaac gctggtttct cttgctcctc tctctcaatt 120

tcttttgtcg gttttaaatt catttcattt tattanaaat tcgctaccgt tttttttctg 180

tcaccggagc tccttcttcc agatcgtgct tgatgtcccg gatatgattt tttagttcca 240

aatcttgaat cttttgattg gataagaaat gaggaagctt agtattaaga gactccttga 300

aatctttctt tgagcctcat cttcatcctg ataatggtga atcactcana ggaacanana 360

ctgaanttga tgagaaagtg aaaganaatc ttggggaatt gttgaga 407

<210> 6296
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-007-Q1-E1-A3

<400> 6296

tgccggtgcc ggtccaagaa ttcangggtc gacccacgcg tccgagcaga [illegible]gac 60

tgtgatgagc tcgattatta aaaatatggg tagcacgctt ggtgcatgtg gtgatctgaa 120

cagaaatgtt cttgctcctg ctgcacctta tgtgaagaaa gactatctct ttgcacaaga 180

aactgctgac aacattgcgg ctcttctttc tcctcaatca gggttctatt atgatatgtg 240

ggttgatgga gagcagttca tgactgctga acctccagag gtagtgaagg ctcgaaatga 300

taactcccat ggaactaact ttgtcgactc tcctgagccc atctatggca cccagttctt 360

gcctagaaag ttcaaggtcg ctgtaactgt tcctacagat aattccgtcg aactcctcac 420

aatgacatgg cgttgttgtt gttcagatga aaatggggaa acacagggtt caatat 476

<210> 6297
<211> 564
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-006-Q1-E1-G4

<400> 6297

tcangggccc cggggttcca nagnnatnaa accgggggct ccgannccca acgccgnttc 60

cgacccaacn acgttccgaa acaactttaa ganagaaaac ttaaaggaaa ttactcctca 120

attcaaaggg ccgaattatt anaannaaaa atngggaaga agcaaaangg ggaagtttgg 180

gacaagttgg gctngatngc ccgttagaac tnacaaaagg gaacgaacct tgccgacaaa 240

attccaaaaa accgggtggg tttggattca actggccggc tctcaattct tggggattag 300

aaagtttgtg ggagagggct atcaaacaaa tgggaatagc agtgaatttg ggtaacatat 360

ttgatgggag acaatgcatc tcccaagttc aacctctgcc aacattgtca ctgatttcat 420

gggcacttcc ttcctcctat gcttgctcgg tggttttctc gctgactcct tcctcgggcc 480

gtttcaaaac catcggcatt ttctcaacca ttcaagctct gggaactggt gctctaacgg 540

gtagcaaact taacttgcca aagn 564

<210> 6298
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-D1

<400> 6298

ctacttggcc aggccncggt canagaaatc ccggggncga cccacgcgtc cncagcctct 60

tcttctaaca aaagcaaact gaaccaagaa tggagtcgct gatcaagtcc cagcacgctc 120

agcaactggc gggtcacaag aatacgaccg gtaaaactcc gtccatggag atgataccgg 180

cgacgggact tgcgatgtca tcggacgaaa gcatgatgct gaagctgatt caacaaactc 240

actccccaga tgctcgcgaa gtccaagtgc gtggccttct ctctctcgtt gaagatattc 300

tcgatcgtgc cactcttgac tctgaagaca ccaacgcctc catgcttccg ttgcccactg 360

aggataaact gatgcagtca agcatgatga gcgttcttga tagtgtctcc tatgctatcg 420

attgtgttgc ctgcgagata gcctataagt ctctgacggg atntgattca cacnaaatca 480

caatgtcgtg t 491

<210> 6299
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-D12

<400> 6299

acgcgtcnan gttgacttga ggaaaaggtt cttcatgagc ttcatcctct ctataataaa 60

caaccatttc tatagagaat ccaccccatg gttttaaacc gaaccgggga agactgtacc 120

gttaatatta atatgaaatt gatttctgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nng 193

<210> 6300
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-D9

<400> 6300

cgcgggtcag gtaaaggtat naganttccc ggcccgaccc acgcgtcaaa gttatggaca 60

atctccggaa acttaatctt ctctctgtct ctctaaccat aatctttgtc tctcttacca 120

tagccaccaa cttacctttc tttgaagtga aatatcccaa caacaaccct tttgggatgt 180

tactacggcc gacaccgatc aagaaccaat ccttgggtct accggctcat gtcgggtcag 240

atgagtgtcg ggtttggacc aaagcatgtt ctgatgagat tcttaggctg acttatcagc 300

cggataacgt tgcgtggctt aaacgcgtta ggaggacgat ccatgagaac ccggagctag 360

cgtttgagga gtatgagact agtaggctta ttaggtcgga gctggaccgt angggtanca 420

tgtatagata tccgttagcn anaacgggta tccgggcttg gatcggatnc ggtggacc 478

<210> 6301
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E1

<400> 6301

cgggncgacc cacgcgtccn ggcctcccaa acggtggtag caatggcggt gttttggaca 60

atggcgcgaa atggtttagg tcaggacttg acttaaattc tggtcctgga ggtcatgaaa 120

cagagggaag agacgaatca acacttgtgg caaggcaatt atcctcatct gcttccttac 180

ctttgaagga ggatcaagca agaatgtatc aaatgtcagg tggtgttctg aagaggaaag 240

aaccggaagg aggatgggat ggatataggc agtcctcatg gcaataacag tagctcagaa 300

tctcagtagg ccacatgagc ttttactaag agatgagagt gaatgtgatg ccacaaggct 360

tcattggctg gcctgctctg tacaaatgaa gcatgggtga gtcaatttgc aacttcacag 420

tggnccaaat cttttaagaa cacaaacctg actcttgggt tc 462

<210> 6302
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E2

<400> 6302

taattggcca ggccncggtc anagacaacc cgggncgacc cacgcgtcnn cccangcgtc 60

cgattcatcg tctcttctct gctctgcttt gctctagatc acaaattaaa agacttcatt 120

agtcttcctg tctccaccat taccttcttc ctttttaact cagccacgac gagcagacta 180

ttgttctgtt ttccttgtat aaaaatggcg tcgatgatgt ttaccgattg ctcctccacc 240

acgacgtcgc gtctcatcca tttgaaccga agcagcggta ctttcctcct ccgtcaatgc 300

gtcggccaac tccgtttaca gaccactgct tctggccgtg gctgctgcat tcgctcctct 360

tcttctccca tttcttccat ttccgctgat acaaaatcag agggtggcgc aattgtaata 420

gatggaaagg ctgtggaaaa aaggattagg gataaatcnc aantgaattt cnagaatgaa 480

ggatcaattg g 491

<210> 6303
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E4

<400> 6303

acccgggncg acccacgcgt cnncccangc gtccgcccac gcgtccgaaa atcgtccatt 60

gaagtgaaca gtcagcatcg ttttgcttgc ttgtgcgttt ctctcgaact ctctccatgg 120

ctgttgcgct ccaattcagc cgattatgcg ttcgaccgga tactttcgtg cgggagaatc 180

atctctctgg atccggatct ctccgccgcc ggaaagcttt atcagtccgg tgctcgtctg 240

gcgatgagaa cgctccttcg ccatcggtgg tgatggactc cgatttcgac gccaaggtgt 300

tccgtaagaa cttgacgaga agcgataatt acaatcgtaa agggttcggt cataaggagg 360

agacactcaa gctcatgaat cgagagtaca ccagtgatat attggagaca ctgaaacaat 420

tggttaaact taatcctggg ggaaaatntt acgtgaaaa 459

<210> 6304
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E7

<400> 6304

aanagtacag aagcccgggc cgacccacnn gtcaagaaga atttggaatt gtcaagggga 60

caatnacanc cacacactcc tacaccggag accaaaggct tctanatgca tcacacangg 120

acctaaggcg tgcaanagcc gcagcactga acatagtgcc taccagcaca ggagcagcca 180

aggcggtgtc attagtgttg ccgcagctga agggtaaact taacggcatt gcactccgtg 240

tgccaacacc aaacgtctca gtggttgacc ttgttataaa cgttgagaag aanngtttga 300

cancagagga tgtgaacgag gcctttanaa aagccgctaa tggaccgatg aaangcattt 360

tacacgtttg cnatgcgcct cttgtctctg ttgacttnag gtgctctgat gtctctacca 420

ccattgactc gtcctcacta nggttatggg 450

<210> 6305
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E8

<400> 6305

nccaggtaaa agtaaagaag tcccgggncg acccacgcgt cantcatcat ccttccaatg 60

gctattactt gagaactctt ctgattaaac atagcaacaa caacaactct tcttctcctc 120

tctttctcac ttcaatttag cgatggctgc aactgcaatc tcttctcttt ccttcccagc 180

tttgggtcaa tcggacaaga tctccaattt cgcatcttct cgtcctctcg cctccgcaat 240

tcgcatctgc acaaagtttt ctcgcctttc tttgaattcg cgttccactt cgaaatctct 300

tattcactgc atgtccaatg ttaccgccga tgtgcctcct gtatcagaga caaagtcgaa 360

attcctaaaa gcttacaagc gacccatccc gagtatctac aacacggttt tgcaggagct 420

cattgtcaag cagcatttga naaggnanag nagacttaac ggtaagatcc ggttttgcc 479

<210> 6306
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-E9

<400> 6306

acncgtcngc ccacgcgtcc gaaaaaaaaa cattttaagg taatctcaaa accaaaaagc 60

ctatcaatct ttgtacttgg atgttttgtt gttgcaagga ttgcagagga aaccaacgag 120

tttctaactt tgattctcta acaggtgttt tctttggaga tcttgagttt ggacctcaga 180

atcaaagata tataaagatg aatgaggaag aagataaaga tcaagatcga gtaacgagag 240

gatgtagtca cactcatagc tgtaaccctc caggcccaga ggatgcttct cactcccaca 300

catgcttcca cgctcacact catctcatca tctctgatca gcaagagaat gatcattctg 360

acagtagcaa caagaaacgg ttatgtggta atagagaggc agtgaggaag tacagggaga 420

agaagaaggc cccactgca 439

<210> 6307
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F1

<400> 6307

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atctctctcc tccttcaata atttctgcaa accctaactt tctcattcgg cgctcaagtt 120

tctctccacc ccttcgagat ttggtgcgat gatgttgcgt gctgttttta ggagagcttc 180

cattagaggc tcttcttctg cttcgggatt gggaaaatca ttgcaatcct ctcgtgttgc 240

agtgtctgct caatttcatt ctgtttcagc aacagagacg ttggtgcctc gtggaaacca 300

tgctcatagc ttccatcanc gttcttgtcc anggtgtcca nactgttcaa ggactattat 360

caacggttac caaggnacag ccctgcaaag atgggtcaag ggccttttca actgataatg 420

gggangtcnt ggnanctgtt gtgcacacat gggtgaacaa tcactgatgg gaccctaacc 480

<210> 6308
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F11

<400> 6308

acgcgtccnc tgtctctatg gctgctgctg tgatgggttt ggttctcttg ggacgtagat 60

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aggcgtcgcg ggtgatgagt caggctgctc gactcaatga agtgttcaca gaggtaagaa 180

gggtccctgt gatccgccct gctctaccat cgcctggcgc atggccggtt ttgagcctta 240

gatgagaagc cgttttctac aatacctaga cacagtggag aatcaatcat acaatgtcca 300

tcactttatg taccgtaaga atacaaatac atgtgtttat gtcgtaccta tgcataanta 360

gtagtttacc atcttatgaa atcgcgtatg tgagtcntgt cccaaccgtg ggatacactn 420

c

421

<210> 6309
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F2

<400> 6309

ctacttgncc aggccccggt anagaaatcc cggggccgac ccacgcgtcn acggacgcgt 60

ggggaaaact tttangagat ggcagctccg attcgattct ttgaactgaa cactggtgcc 120

aagttacctt gcgtcggtct angaacctac gcaatggtcg cgacagcgat cgaacaggcg 180

attaagattg gttacaggca tatcgactgt gcttcgattt acggaaacga naaagagatt 240

ggtggtgtgt tgaagaagct gataggtgat ggttttgtga agcgtgagga gttatttatc 300

acttccaaac tctggagcaa tgatcattta cctgaagatg tgcctaaggc actggaaaaa 360

acgttacagg acttacagat tgactatgtt gatttatatc tgatacattg gnctgcgagc 420

ttgaagaagg aatcactaat gccaaaactg anaatgtcaa aaaaacccng tataactagc 480

acatgggaan ca 492

<210> 6310
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F3

<400> 6310

canacccggg ccgggccacg cgtccacana aantcanagc agatntnaan aaaatggctc 60

angcagtgac ttccatggct ggcttacgtg gagcatctca ggctgtcctt gaaggaagtt 120

tacagatcaa cggctcaaac cgtttgaaca tctcangagt ctcggttggg tctcagagaa 180

ccggacttgt gatcagggct cagcagaacg tgtcattacc atanagtagt cnccggtcan 240

tgattggnct cntggcggct ggttnagccg gtggttcatt cgttaaagct gttttcgccg 300

aagctattcc gatcaangtt ggtggtcctc cacttccttc cggtggccta cctgnaacag 360

ataactcaga ccaancanga gacttttcat tggcantgaa agatagattt tacatacaac 420

caatgtcacc agcanaagct gcagcctana gccaaagatt ctgctaaana g 471

<210> 6311
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-F4

<400> 6311

ttggtcngcc cggtagacca ncccgggccg acccacgcgt cnaatcgaac tctaaaccac 60

actgagatgg cgaaatggtg gcgaggcctg agatccgtga cggcggaggt ggctgatctt 120

ccggcttctt cattcggtcg atcgattcga tgtattcatc agtatcagac gatccaggcg 180

attccacgtg aagctacggg tcgaggagta tcggctcggg atcggacgat tggtcgtatt 240

cccgccgtcg ttttcccgca atcgcttcta gatactgatg cttcgaagcg aggcgtgtcg 300

aggaagcagc tattgacggc ggataagaag cagatnaagt ctattattga ctctgttggt 360

ctcccaatcc tctgttccaa cactttccaa gcttcaagat tccgaacctg gtcaanggtt 420

ccntcaaccc cttgttgaaa ccngggtcca aataactttc ccctcaaagg gttcaatana 480

ngacgaaana aaactgggaa aagaat 506

<210> 6312
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-C6

<400> 6312

acanagtatt agaatgcccg ggcccgaccc acgnntcaan atcannnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnntga aaaagatgag aaccntaaag actcagacca caaggggaag 120

aagaagagca aatgtgtcgt cacgtacgag agttttacac acgtgcngtg gaaatggtag 180

tagcgacgga gggaagacgg tgatggagaa gcttcttgcg ttaaagagcc ttcttcctcc 240

accggtgaat gtcggtggtg gaganacgga ggagctgttt caagagacgg cggagtatat 300

cgtgaagctt agaacacaag tcgtggtgtt gaagaaactg attgagattt acgataactc 360

ttctgatcag aaganagatg ttgttttana atgtncattt atactttctt taattcanat 420

tatgtcaggt ttnctgnttt ttttggnann aacttataat taatatnttg tgatc 475

<210> 6313
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-H4

<400> 6313

tncccagtgc ccggtcaaga attaacgggt cgacgcacgc gtccgagaga atcaaaaatc 60

aaaatgactt ctcctactgc gactaagtat gatgtctttc tgagtttcag aggagtcgac 120

actcgtcgca acttcatcag ttttctctac aaagaattcg ttcgaaggaa aattcgaact 180

ttcaaagacg acaaggagct tgagaatggc cggaggattt ctccggagct caaacgcgcc 240

atcgaggagt cgaaattcgc cgtcgttgtt gtctctgtaa actacgctgc gtctccttgg 300

tgtctcgatg agcttgtgaa gattatggat ttcgaaaaca agggttccat caccgtgatg 360

cctatcttct acggtgtgga tccgtgtcat ttgaggaagc agatcggaga tgtcgctgaa 420

cagtttaaga agcacgangc tagagaagaa gatatgagaa aattgcttcg tggaaaacaa 480

cattgacca 489

<210> 6314
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-H8

<400> 6314

ntttaacttc cagcgcccag gtaacggtca aagaattccc gggtcgaccc acgcgtccgc 60

ttgcagctta ttaagcgaac caaaacttcc atccctgttt cttcaggtca tttcttgggt 120

tttgggagaa tatggcacag ctgatgggaa atattctgcc tcctatatta gtggaaagct 180

gtgcgatgtg gcagatgcat actcaagtga tgaaactgta aagggttatg ctgtttctgc 240

actgatgaag atctacgcat ttgaaattgc atctgggaga aaggtggatg ttttgccgga 300

gtgccaatct ttgattgaag agctattggc ttcacattca acagatcttc agcaacgtgc 360

atatgagctt caggctctcc ttgctctaga tgcccgtgct gttgagacta tactcccttt 420

agatgctagt tgcgaagaca ttgaggttga caaggatctt tcatttctca atggctatat 480

ccaacaagct atcgagagt 499

<210> 6315
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A10

<400> 6315

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atggaacaaa agtaattata tacaacttgt ggcttaatga tgaaggaatc tatgagctga 120

gttttgacga cgatgatgtg gatatacggc tccgagatga aaatgcccag gacgggaaac 180

ggttgcacgc taaaacattg gaagtaagat ctcatatttc gtaccgctat cgacattctc 240

taagggctta catttccatg ttatatctca aaaagttcaa aaacttcaaa attattcttc 300

ggggagtctc tgtggcgcaa ttcaacattg ctgatgaatt cagacatcct gagacaataa 360

tgtacaaacc ccaagcagct gcagtggatt atgctgccac tggaattaaa gttggattca 420

tcaaggaggc ccta 434

<210> 6316
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-005-Q1-E1-A11

<400> 6316

acgcgtcaga aagcttcaac gaagagaaat ctcttctcgt aaagatcgag ctttctctat 60

tagcaccgcc caagagagat ttcgtaacat gcgtctcgtg gagcaatatg atactcacga 120

tcctaaaggg cactgtttag ttgcattacc gtttttgatg aagagaacta aagttattga 180

gattgttgct gcaagggaca ttgtttttgc gcttgcacat tctggtgttt gcgcagcttt 240

tagtagagag tcgaacaaaa gaatatgctt tttaaatgtt agtccagatg aagtcatcag 300

gagcttgttc tacaacaaga acaatgattc tctcatcaca gtttctgttt atgcttcaga 360

caatttcagc tctttgaaat gcaagatcca ctagaattga gtatattctg agaggtcagc 420

cggatgcagg gtttgct 437

<210> 6317
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A12

<400> 6317

acgcgtcnag ctttaaaggg cacacacaca cagtcgcgag tttctctctg gtgcgctctt 60

tgtggcggct cgtcttcttc ttcttcttcc acgggactct ctctgaatcg gtgattttcg 120

atcttcctag ggtttcgatc tgaaaccttg cgatctactt gaaagagaga ttcagaaatt 180

tccaagtaat aataatgttt gcgcctgcna ctcaaccgca acagcaacat gagcagaaga 240

agcattcaga gacngtttca tcngctgaag aagatgcttt gaagtggaac accgattgcg 300

tttactttct cgcttctcct ttaacctgca agaggggacc tgaatgcgat tatcgccana 360

gtggtgtann gcncngtatn aancccgagg ggaattggct aata 404

<210> 6318
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A2

<400> 6318

ncccgggccg acccacgcgt cnagcttagc gtgcaggaga ggatcagcat gtttgaaaac 60

aagcagaaag agaactctgg agagaaaaca gctgtggcaa aatctactga gctgaaaaga 120

ctttcttctg atttatcatc ttctgcaggc atggaaaagg ttgtggtacg aagatggagt 180

ggtgctagtg acatgagcat cgatttggga aatgacagga aggatgatac gggtgatagt 240

ccactgtgca ctccctcgtc atcttcagtg tccaaagatg gaagtggtgc atcctcaaaa 300

caatttgtcg gctacaataa naaagancag aatggattga gccatgctgc gaatcctcat 360

aggaatgagg aagaatgtac ttccaacaat ggtggtgact ggggaatgga tgaagtanag 420

tctcaaaatt caagttctac tttcttacca aagacaaagn ggtggac 467

<210> 6319
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A3

<400> 6319

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ctgagtcaga ttttaccgat tcattgcctc cattgaagcc tcttttctca gattctacgc 120

ttcactgtct cttctccatg tgcgtctcct cctcctccgt ttcttcagat cttgctttcc 180

ggtgacggtt ttaatcttct tctctctggt aacacgtata aagcatggct tacctgatgt 240

agacatgtag tgttaggcta aagactcctc ttttcacttc tgtcttgttg agtttgtgtt 300

ggtttaaggc tttaagccaa aggcgttgtt ggtctgacaa gatggcaatg gcggtgttta 360

aggctcctct aaaaggggaa tttcatgggg ctagaaagat ggaagggaag catataacac 420

atctgcttaa caacagtcta cangg 445

<210> 6320
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A4

<400> 6320

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tantggaact cangaccttg atacattgca cggtcctttc acatacgagg ctttgccgcc 120

aacggatata aattttgtac ctttgaagca aacanagagc ttcagggctg acnaacttan 180

tgaattctac aagtctgata tnaanctgaa aaagtttcta cacataatcg agaattcacc 240

cgtcttccct gttttatacg acagtaagag aactgtgctg tcattgccac ctattatcan 300

tggtgcacat tcagcantta ccttacagac aaagaatgtc ttcattgaat gtactgcaac 360

tgatttgacg aaggccaaga ttgttttgaa tacaatggtt acaaccttct caaaattttg 420

tgccagaaaa tttgagatgg ancngttgaa attacatacg acgaagggaa antcctacat 480

<210> 6321
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A6

<400> 6321

acgcgtcaan cccacgcgtc cgcgccttga cgccttctcc ttccgtttct tcagcctctc 60

gccgctaatt aacgccgtct ctggttgcta ccaccgccgt aaccctaacg gcatttttaa 120

tggcgtcgtg tgatgacgat ttctctctac ttggagacga tcagtcaaac cctaatcaac 180

atcaccacca ccaccaagtt cttcatcaca cgccctacgc tcctagacga ttcaacccga 240

aaccatcgaa tcagatcctt ttaccgcatc accagaggaa cggcgacgag gacgacgaga 300

acgatgtcgt tgtagaagcg tcttctgctt tccacggtca cggtgttaat cctttcacgg 360

cggacgaaaa ttcgaatccg tatgatgata ataacgcagc tgtagacgaa ggacgaagac 420

gaagatctcg gtgccaacan 440

<210> 6322
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-A7

<400> 6322

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atangaaagt ggttaacata gatgatccaa acgcagcatt ctttgtccag caagggaatc 120

ctaatgttcc tgttgtgaca tttgccatgg aaaacaccaa agccgatgtt cacccgttaa 180

agtttgagct ttccttgttt gagacacagg ttttggttaa taccccctcaa ggtatactgg 240

agatctcttc gggtttgtta ggacggcata acatttataa tattcttgct gctgtggctg 300

ttgggattgc tgttgganct cctcttgagg atattgttag aggtgttgag gaagtcgatg 360

cagtcccagg aangtgtgag ttgattgatg aggaacaagc tttgggtgtt attgtggatc 420

atgcaaaaca cacctgnatg gcttgncaac ggctgccaaa atccaat 467

<210> 6323
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-B5

<400> 6323

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agctcttcgc ttcagcgtca ctactaaccc taggattgta tcatctcatc tgcactttct 120

tccatctcct taaatctccc caatcctacg ccgcgaaacc cttttaccct tttccacgtc 180

tctcctccgt caccggaaac aaccaccaca atcacaancg cctccaaaat ctaccactgt 240

tcatcctcat actctctcta ttcgtcgctt tccttcacga aaccctaatc tccttctact 300

ccgatcctct cgtcaaagga agtactcctg ttcaccgatt ctcatctctc aattccgccg 360

ccgtgttctt cctcttcctc atcatcgcca tttacaatct cctctccgga ttaanctccg 420

ttaatccntc tcccttccga 440

<210> 6324
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-C1

<400> 6324

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cgctctcatc ccagggcgag aaagatggtg aaacggagta aaaagagtaa gagtaagagg 120

gtgaccttga agcagaagca taaggtcctg aaaaaggtga aggagcacca caagaagaag 180

gcaaaggatg ctaaaaagct tggccttcac cgtaagccaa gagtagagaa agacccaggt 240

atacccaatg actggccttt caaggaacaa gagcttaaag cccttgaagt tcgacgtgcc 300

cgtgctcttg aggagattga acagaagaaa gaagctcgca aagaaagggc caaaaagagg 360

aaacttggtt tggttgatga tgaggatacc aagacagaag gagagaccat agaggactta 420

cctaaagttt caatgttcca anataactcc ggaaaaggct tctaaaaggn gcctanttaa 480

aatccattga 490

<210> 6325
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-C4

<400> 6325

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gcagaagcag aagtcgaagt agaagtcgta gtcgggatcg gtttcgtagt cggagtccga 180

gagacaggag aatgagatct gaacgagttt cttaccatga tgctccttct agaagggaga 240

gggagccacg tcgtgccttc agccaaggaa atctctgcaa caactgcaag cgacctggtc 300

actttgcaag agactgttct aatgtttccg tctgtaacaa ctgtggtctt ccagggcaca 360

ttgcagcaga atgcactgcg gaatcacgtt gttggaactg tagagaaccg ggccacgtag 420

cctcaaactg ttcaaacgaa ggaatctgcc actcctgtgg taaatctgga catcgagcca 480

naaactgctc tt 492

<210> 6326
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-005-Q1-E1-C5

<400> 6326

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ccggattttg caccaacgaa aacttcttta aactactttc ttcattattc ttctgctgag 120

tttcaaaaac tcagccatgg gtaattgtat cgcctgcgtc aagtttgacc cagacaactc 180

aaaaccaaac cagaagaaga aacctccacg gggacggcaa cgaaacccat acgacgatcc 240

cgatggttta agaactcacg caccgttacg tgtgattcct atgagccatc aatctcagat 300

cagcgacaag tacatcttag gacgagaact cggtcgcggc gaattcggaa tcacgtatct 360

ttgtacagat agagagactc gtgaagcttt agcttgcaaa tcatcnccag gaaaagctcg 420

gaacggccgt tcaagttgaa aaagt 445

<210> 6327
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-H12

<400> 6327

agcgagatcg tgaccagtgg agagaggctt gagcggaaaa agaagaagga agagaaggct 60

aaagaaaagg agttgaagaa gcaaaaagct ttggagaaag agaggctggc tgaactgaag 120

gcaaaacagg ccaaagatgg aactaatgtc cctaaaaaga gcgcaaagaa gagttccaaa 180

cgggatgcgt cagaagagaa tcctgaggat tttgtggacc ctgaaactcc tcttggagag 240

aggaaaaggc tttcttcaca gatggccaaa caatacagcc ctgctaccgt ggagaaatca 300

tggtatgctt ggtgggagaa atctgacctt tttaaggcgg atgctaagag ttccaagcca 360

ccttttgtaa ttgttcttcc tcctccaaat gtgactggag ccttgcatat ggncatgcg 419

<210> 6328
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D8

<400> 6328

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gcaaagaaac ctcaaaagtt tgctgtcgtg aagaagatga ttagccacaa agctttgaag 120

cattacaagg aagaggttct gaatccaaac aagaaggacc tcacggaact tccgagaaac 180

gtaccgagtg ttcctgcagg gcttttcttt tcttacaact ctacattggt tcctccttac 240

cgtgttttgg tggatactaa cttcatcaac ttctctatcc agaataagat cgatcttgag 300

aagggaatga gagactgtct gtacgcaaat tgcactcctt gtatcacgga ntgtgtcatg 360

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acttcganag actaccttgt 440

<210> 6329
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-E2

<400> 6329

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gctgctacgt cgtctatacc accaaatgtc tatggtagct cagtcacggc tatgcctgga 120

cagcctccat atatgagtta tccgtcttac tacaatgctg ttccccctcc aacacctcct 180

gcaccggcct cgtctactga tcattcccaa aacatgggta acatgccatg ggccaacaat 240

ccttctgtct caacacctga tcactcacaa ggtcttgtta atgcaccttg ggcacctaat 300

cctcctatgc cacccactgt tggctattca cagagcatgg ggaacgtacc ctgggctccc 360

aaacctccag tacagcctcc tgcagagaat ccatcctctg ttggagagtc tgagtatgag 420

aagttcatgg ctgagatgaa gtagcatgcg tgttctgatg agaaactcct tagtggagan 480

gtgtgat 487

<210> 6330
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-E3

<400> 6330

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cgtccggtcc accgacaagg actacaaaga gccacctcct gcgccactgt tcgagcccgg 120

cgagctcagc tcatggtctt tctacagagc cggaatagct gagtttatcg ctactttctt 180

gtttctctac atcactgttt tgactgtaat gggagttaag agagcaccaa acatgtgtgc 240

ttctgttgga atccaaggta tcgcttgggc ttttggtggc atgatctttg ctcttgtcta 300

ctgtactgct ggaatttcag gtggacacat caaccctgct gtaacattcg gtctgttctt 360

ggctcggaag ttatctctga ccaagagcag tgttctacat gattatgcaa tgtcttggag 420

ccatctgtgg tgccggagtc gtcaaaggtt tccagccaac gccgtaccag actctcggtg 480

gtg 483

<210> 6331
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-F11

<400> 6331

gtcgacccac ccgtccgncc acgcgtccgc ataaacaaaa aaaagattct ctcgatcaaa 60

cttgccggcg tccatggaag atttcggccg tcaacgacca tacggagacg gagggatgca 120

gatccagcct taccacggta atcaaggcgg tgatttcagg agctatagcg catcgtangg 180

gacgagggag aacaatatat acgatgtgaa aaaggagaaa tcgatagcaa gatccaagtc 240

ttggggaata acggatccgg agctccagag gaagaaacgg gtcgcgagtt ataagatgta 300

tggtgttgaa ggcaaagtca aaggctcttt tagaaccagt ttcaagatgg cttaagcaga 360

agtacacaca ggtcgtctat ggttggtggt gattcctttt tcatcttttc tanaatt 417

<210> 6332
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-F4

<400> 6332

ctttacgctt nccagtgccg gtcanagaat taacgggtcg acccacgcgt ccgcccacgc 60

gtccgagcaa acttcttctc tttaccctac tgttgacaca tccaatcccg aagctcctat 120

aaaccctagc tcatcatctt ctactaacaa tctctatcct tctctcgata tgaatgatct 180

cgctcgtaat ctcttccctg aacaaccaga gacgagttct attccggttt cagctcctcc 240

cgctgcgacg gaggaagtaa ttttgaaaat ctccggcgcg attcttcatt taatcgacaa 300

atcttacagc gtcgagctcg cttgcggtga tcttgagatc atccgtattg ttcaaggaga 360

gaatgttgtc gctgttctcg ctagtgtctc cgatgagatt caatggccgt tgactaagga 420

tgagaactct gtcaaggtcg atgagtctca atacttcttc acgcttcgtc ctaccaanag 480

agattcacat gatt 494

<210> 6333
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-F7

<400> 6333

acgcgtccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntg ggggttgatt 60

tctataaggt tcttgaagtt gatcgaagtg ctaatgacga cgagcttaag aaagcttanc 120

gcaaactcgc catgaaatgg catcctgata agaaccctaa caacaaaaaa gaagccgaag 180

ctaaattcaa gcagatctct gaagcttacg atgttttgag tgatcctcag aaacgagcaa 240

tctacgagca atacggagaa gaaggtttaa accaagcccc acctcccggc gccggtggtg 300

gctatcctgg aggatcagac gccggagctt ctttccggtt caatcccaga agcgctgatg 360

atatcttctc cgagttcttt ggtttcacga ggccttcttt tggtacggga agcgactcac 420

gcgcaggacc ttctggcttt aggtat 446

<210> 6334
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-G12

<400> 6334

ttccagaggt cgacccnccc gtccgaacat attaccctgg gttgtgtgag ccagtttctc 60

aaggtggact tggatttgat tattatgtga atctttctgc gtcagaaatg tgggtttctc 120

tcctcgacaa tgtaccggat aatgaatgga gcatgagcaa gattgtcagt acattggtgg 180

ctaacaaaga gtatgcagac aagatgctca gctatgccga aaatcacaac caatccatat 240

caggagggcg ttcatttgct gaaatcttat tcggtggagt cgataatggt tctcctggag 300

gaaaagaatt gctagacagg ggaatttcac tacataagat gattagactg attactttta 360

caagtggtgg ccgtgcatac ctcantttca tgggaaatga anttggacnt ccngagaggg 420

ttgagtttcc aacgcagan 439

<210> 6335
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-G2

<400> 6335

cttttacgct ggccaggccc ggtcanagaa tanacggggn cganccacgc gtccgctctt 60

atgctttgtt tgggagtttt ggtacttgat gggttctggt tgttgttacc ggtctccttc 120

ctaacccgtt gataccagtc gatgccatct ccatttgcat gaatatagaa gggtggactg 180

ccatgatttc gatcgggttt aacgctgcga ttagtgtgag agtatcgaat gagctgggtg 240

caggaaacgc agcgttagcc aaattctcag tgatagtcgt ctccataact tcaactctta 300

tcgggatagt gtgcatgatt gttgtcttag ccacaaaaga cagcttccct tatcttttca 360

cttcaagcga agctgtggca gcagaaacca cgagaataac cgtcttgttg ggcttcactg 420

tcctcttgaa cagcctccag cccgtcttgt caggggggttg cggttggagc cgggtggcan 480

gctctggttg catacgtg 498

<210> 6336
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-G5

<400> 6336

acgcgtccgc ccacgcgtcc ggcaagaact ggcatattcc attgactttc cctagtgagg 60

ctgttatatc agcctactta aatccgcaag tggatctgtc gactgagaaa ttctcatggg 120

gcaaacctga tctttcagta cttagaaagc tatgctggga aaagtttaat tggaacggca 180

agaaaacaga tgaactacta ctaccagtct tgaaggagta tgaaaagcgc gagacgcaac 240

ttcggattga agctttctat tcctttaatg aaagatttgc aaagatccgt agtaaaagaa 300

tcaacaaagc tgtcaaagga attggtggag gtctgtcgtc agatgtggcc gatcatactc 360

tccaggaagg tccaagaang acgaaataag anaaaagttg ctcctcatga aactgaagat 420

acaacacttc agacagagat cacct 445

<210> 6337
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-004-Q1-E1-G6

<400> 6337

atgtcgtttc ttttccgtaa gaacggtagt agttcacgga ggaagatcaa agaaaaactc 60

cgtggtcgtc actcagatcg aggtgggaag agagaagaag atgagagata cggcggctcc 120

ggctccgatt tacctccacc accgtctcct tggggatttc tcttcccgga ggattttgta 180

agaatcgacg ggaatctcaa agctattttc caactctaga agcttcttcc agtaaatcac 240

atctaatcct tcatcatcta caataacagc tttgagagtt ggaaaatagc gggaaaatta 300

gaaaaaaccc taaacctaga agaagaggag acaaatccgg tgacggattt agaagaactg 360

gagcagatca agacgataac gatgatggtg atgatgaagt aggagatgaa tctatcgaag 420

aagcgtttcg t 431

<210> 6338
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-G8

<400> 6338

acgcgtccgc tgaatcaaat ctcctagctc ttctacgcaa aatcgagtgc atcgacaatg 60

gcggaacgtg gtgtcgaacg tggtggagat cgcggcgatt tcggacgtgg attcggtggt 120

cgcggcggtg gaagaggtgg tccgagaggt cgtggtcgcc gtgcaggtcg tgctccagag 180

gaggagaaat gggtgccagt gactaagctt ggtcgtctcg taaaggaagg taagatcaca 240

aagattgagc agatctacct ccattctctc ccagtcaagg agtaccagat catagattta 300

ctcgtcggtc cttcattgaa agacgaagtg atgaaaatca tgccggttca aaaacaaacc 360

aganccggtc agagaacgag attcaaggcc ttcatcgtcg tcggagatag taacggtcac 420

gtcggattag gagtcaatgc tccaanga 448

<210> 6339
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-G9

<400> 6339

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aaacattaat acacacacca aaaaaaaacc tgtttatgtc caaaagatct ctgattcctc 120

aattcttctt cnatagcttt tggtctccat tctcatctct taatctccag tgagatcagc 180

tccaattcta actggtctct ctaaataaaa aacagaaata aaaatccaac ctttttcaat 240

tttcgttcaa ttttcccgga aaaaaaagcg atccttttga tttttcgatt tctccaagta 300

acaattcaaa atgggtctaa agggttttgc tgaaggagga atancttcga ttgttgcggg 360

ttgttcgacc aaccgcttga tnnaacaagg nccgaatgca acttcaaggn gaatcagctc 420

cgattcaaac aatctccgaa ca 442

<210> 6340
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-H10

<400> 6340

tgttnctaaa ggatcagaaa gctcatctgg caatctcaaa agtgctcaat cttgctagta 60

ttcttaatga gccttctcta ggggaatgga cttccagagc tgaattatgt gacaatttac 120

atgtgccggt gagaatcgct gttgtgggga aatatacagg cctctctgat gcttatctct 180

ctgtcttaaa ggctctctta catgcttctg tggcttgtcg caaaaagctc gtagttgatt 240

gggttccagc ttgtgatctc gaaaaagaaa ctgagaaaga gaatccagat gcgtataaag 300

ctgcttggaa gttgctaaag ggtgtagatg gaattcttgt acctggaggt tttgggtgat 360

agangagtgg aagggaagat tcttgctgca aagtatgcac gttaaaacaa aatcccgttc 420

tccggtaatt g 431

<210> 6341
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-H11

<400> 6341

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gagagtgact ttttttgttt gcctttgtta atggcttgtg tgtgagattc attgaatttt 120

ttgaaaattc tgacgaataa aaaccatatc taccaatcac aaaccctaga tttttgttat 180

cttcttcatc cgaagattct ctttgatctg tgtctccttc cttctgattc tcccatttca 240

tttcattgat tcttttgatt cgattctatt cgagctcaat tttgtagatc agaacccaga 300

atcgaatttg ggataacttg aacaatatcc ttggtaactt gttgatctga atttgagtga 360

agaagacatc gaattcaagt ttggtgtggg agatttttt taatggagtg atgatgattt 420

aaaggggaag gtaagggaac gatgactgga ttgggtgttc catcaagtac caangttcct 480

gga 483

<210> 6342
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-004-Q1-E1-D7

<400> 6342

aactngccgc gcacaggtaa nggtatagaa ttcccggccg gaacccttaa gaanagtctt 60

agcaataccg ttgccgttag ccaggtgaga atccttaagc gcggcgaaga aatccccaag 120

gagacttcag atctggttgt ggaaatgtca gatctgggat ctactcgtcg gattggacca 180

gatccgggtt tgattccggg tcagatccgt ttatctggcc gcaaatcgaa atcagcaccg 240

ttttacgccg gtcctgtgac catgacctcg ccgcctccta gcgatgtccc gcttccagct 300

ttcttcacga agaaggcaac anatgatcnc atcatcgatc cttcgcctag acatcgcctg 360

acggtgtctg tcaccgatca tttntgattt tttaannatc tccgangatc caaatggtta 420

ccanagttg 429

<210> 6343
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G5

<400> 6343

acgcgtccgc ggacgcgtgg gcggggaacc cggttctagt acctccgccc ggtatcctcc 60

ctaaggactt ccgtgaccca acgactgcat ggaagacatc agaaggaaaa tggcggatca 120

cgattggttc caagctcaac aaaactggaa tctcactcgt gtacgacaca atcgacttta 180

aaacatacga gaaacttgac acattgttgc accgagttcc caacactgga atgtgggagt 240

gtgttgactt ttacccggtg tctaagactg cgggcaatgg gcttgacaca tcggtcaatg 300

gaccggatgt gaagcatatc gtgaaggcta acatggacga cacgaggttc gatnattatg 360

ctgtanggca cgtatttcga ttcaaacgga acatggnttc ccgatgatcc aactatcgan 420

gttgggaatn actgccaant ttaagatatg attacgg 457

<210> 6344
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G7

<400> 6344

acgcgtccgg tcggaattgg tgcttacctt gcccgactgg gcatgaggtg catacagaga 60

ctaagaccaa ccgatcatct tgaccggctt ttctacactc aacaagctgc ttggacgtga 120

ggtctatagc tctcacatgc aacttggtgg cccaaaaatc atggggacaa atggtgttgt 180

tcatcttaca gtctcagatg atctcgaagg tgtatcagca attctcaact ggctgagcta 240

cattcctgcg tatgtgggtg gtcctcttcc tgttcttgct cctttagatc caccggagag 300

aactgtggag tatatcccaa gagaactctt gtgacccacg agctgctata gctgggatta 360

acgataatac tggtaaatgg cttggtgggt aaccttgata aaaatancct tgttgagact 420

cctgaaagct ggggcaaagg acngtagtga ctggtaa 457

<210> 6345
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G9

<400> 6345

acgcgtccgc aaaacttttg atcccaaatt caacagatat ctctgaatct atcgcttcca 60

agggttttct ctagcttaat ctcagattcg aatcgttcca tagtgatact atgccgaaga 120

acaagggaaa gggaggaaag aacaggaaga gaggaaagaa cgaagcagat gacgagaaga 180

gagagcttat attcaaagaa gatggacaag aatacgcaca agtccttcgt atgcttggaa 240

atggaagatg tgaagctatg tgtatcgatg gaaccaagcg tctttgccat atccgtggta 300

agatgcataa gaaggtttgg attgcagcag gtgatattgt gcttgttggt ttgagggatt 360

accangatga caaagcggat gtgatcctta agtncatgtc tgatgangnt aaggctcnta 420

aaggctaagg tgaacctcca 440

<210> 6346
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H10

<400> 6346

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ctctgaaatc ccagatccga aaacccaaca atggcgtcag agaacaacgg atccagatcc 120

gattccgaat ccatcaccgc tcccaaagct gattccaccg tcgttgaacc gaggaagata 180

gctctgatca ccggaatcac cggccaggac ggatcatacc tgacggagtt ccttctcgga 240

aaaggctacg aagttcatgg tctgatccgt cgatcatcga atttcaacac ccagcgaatc 300

aaccatatct acatcgatnc acacaatgtc aacaaagctc tgatgaaact ccactacgcc 360

gatctcaccg acgcttcctc tctccgtcgt tggatcgatg tgattaaacc ctgacgaagt 420

ttataaccta nctgctcaat ctcacgtcgc tgtctccctc gaagattcct gga 473

<210> 6347
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H11

<400> 6347

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accgtagccg gcgttttagt cgcaaacgcg agtctctatg gcatagcaaa cggcaccgcc 120

cgcggcgcgg ttccgtcggc gaggttagcg atgtacaagg tttgttgggc gagatccggc 180

tgtgctgaca tggacatact cgccggattc gaagcagcga ttcacgacgg cgtagaaatt 240

atctccatct ctatcggcgg tccaatcgcc gattactctt ccgattcgat atccgtcggg 300

tcgtttcacg cgatgaggaa aggaatcctc acggtggcgt ccgccggtaa cgacgggcct 360

aactcaagaa ctgtaacgaa ccatgaaccg tggataatga cggttgctgc aantgggaac 420

cattgggacg ttcaaaaa 438

<210> 6348
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H12

<400> 6348

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gagtataaat gacacaagct atttcgtatc acgctttagt gaaagcagtt gcagcgatac 120

tgaaactggt aacaacagtg ggtcaaatcc agattcagga gacgagttgg atgaatgcac 180

caacctggag aagtttgatt ctccgcctta ttatctctcg ctcattaact tttctttcaa 240

gaatttgtca caattggctt caatcaatca tgatgtgcta ttgcaaaagg atccagctaa 300

aggaggagga gactcaccct ttaaaagcca tggaacgtaa agctctccta caaccgtcaa 360

angtggcctt agtccgctgt tttccctggt ttgcgccctg ctttgaccgt ttgtaactgc 420

tgctgccaac taatgcctga aaattgtaac tc 452

<210> 6349
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H2

<400> 6349

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tgtccgccgt ggtaaaatcg tggcaggcaa ttcccgggaa atggactttg acagtttcct 120

cgattttgtt cttgctttgg agaacaaaga tactccagag ggtttgacgt atttattccg 180

ttgccttgat ctccaaggga gaggctttct cactactgct gatattcact ctcttttcag 240

agatgttcac cangaaatgg atagaaggtg ggaactatga actgtgcata gaagatgttc 300

gagacgagat ctgggacatg gtgaaancgt ctgacccatt aaagattact cccggggtga 360

ttcccttggg aangttaaca aaggnggaaa ccntttccaa ncnatgctta aaaanttgcn 420

tggntttctg ggnnnaagna aaanccttag aaaccttctt caaaaanaaa 470

<210> 6350
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H3

<400> 6350

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gtttgaaagt catccgcttc tttcccggtc acccgcaagg ccaacaacga cattacttcc 180

atcacaagca atgggggaag agttagctgc atgaaggtgt ggccaccaat cggaaagaag 240

aagtttgaga ctctatctta cctccctgac cttactgacg tcgaattggc taaggaagtt 300

gactaccttc tccgcaacaa atgggattcc ttgtgttgaa ttcgagtttg gagcacggat 360

ttgtgtaccg tnagcacngg naacactccc nggntactaa cgatgggccg gtactggnca 420

atgtggnaac cttccaatgg ttccggatgc aaccgaatcc gctcaaattt ttgaaag 477

<210> 6351
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H4

<400> 6351

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ctcttatcct tttaccctca tcatcctcca ctatttacag ttttgccact ctgactttat 120

gctagcttct tccggtgact ggcgataaca cgagagagcc ttcgccttct ccaagcttca 180

tactcttccg acgataaaga ttagaagaca tgaagaacgg taaccggaaa acaacgccgg 240

aaacagagaa gtctcaccgg agaaagttat cagagaaagc gatgtcgttt cacggnagag 300

gaacaacgcc gttatcaaat ccaggcgagc ttcgaagacc gaanacgtta ccggagttat 360

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acgaaacntt tacttaacgn gacggtacaa agggaanttt aag 463

<210> 6352
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H5

<400> 6352

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attctcctgc ctcaccggag actgcggaaa ccgcctggaa tgcaacggtc tcggcggggc 120

accaccagct tctctagctc agttcgacct ccaccacggt ggtcaccacg acttctcctc 180

ttacggtgtc tctctcgttg acggttacaa tgttccgatg accgtgactc ctcacgaagg 240

ccatggtgtc tgtcctgtcg ttggttgtcg tgaagatcta ataaaaacgt gtccggctca 300

tcttcangtc cggtcacaca agtggacacg tggtggcttg taagantggg tgtgaggctt 360

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tccagncaat cct 433

<210> 6353
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H6

<400> 6353

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atgaagctgg gaagccaagg ccttgaggta tctgcgcaag gccttggttg catgggcctc 120

tccgctttct acggtgctcc caagccggaa aatgaagcca tcgctctcat ccaccacgct 180

attcactccg gcgttactct ccttgacacc tccgatatct acggccctga gaccaatgaa 240

gttctcctcg gaaaggctct caaggatggg gtgagagaaa aagtggaact tgcgaccaaa 300

tttggnatca gttatgcana aggggaaaan acaaggtcat aggagatctg aatatntaag 360

ggcgnctttg tnaaggcaaa ntttaaanag ggtagtttat tgccnggntt ccntttccaa 420

taacaagaan cggtcaaaa 439

<210> 6354
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H8

<400> 6354

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ctcttatcct tttaccctca tcatcctcca ctatttacag ttttgccact ctgactttat 120

gctagcttct tccggtgact ggcgataaca cgagagagcc ttcgccttct ccaagcttca 180

tactcttccg acgataaaga ttagaagaca tgaagaacgg taaccggaaa acaacgccgg 240

aaacagagaa gtctcaccgg agaaagttat cagagaaagc gatgtcgttt cacggnagag 300

gaacaacgcc gttatcaaat ccaggcgagc ttcgaagacc gaanacgtta ccggagttat 360

tctccaccgg tcaaagcatc accgttaccg gagaacggtt taacttccgg ccacgttttg 420

acgaaacntt tacttaacgn gacggtacaa agggaanttt aag 463

<210> 6355
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-H9

<400> 6355

acgcgtccga aactgttttg cttctagatc cgatccaatc caatcaaaca aaggatccga 60

ttgatcagaa aaaatccacc aaatttctca agatcgaaac atataattga agatgagcga 120

cgtatttgaa gggtacgagc gtcaatactg cgagctctca accaatctct ctagaaaatg 180

tcactctgca tcggttctct ccaacggaga ggagaagaag gggaagattg ctgagatcaa 240

gtctggaata gacgaagctg atgtcttgat ccggaaaatg gatcttgagg caagaagttt 300

gcagccgagt gctaaagctg tgtgtctttc taaactaaga gagtataaat ccgatctgaa 360

ccaattgaag aaggaattca aacgaatctc ttccgcaaat gctaaaccgt cctccccgtg 420

aaaganttta tgggaacccg g 441

<210> 6356
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G4

<400> 6356

agtggtttgc cttggcntag ncgtccggaa atccnnggtc gacccacgcg tccgtttgtc 60

ttctttcttc tccttctcac ttacttaacc cataagccat caatcccaaa cacaccatta 120

caatggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng accaatcacc aaaagaccct tacctctctc 240

tccgtcgtct cgctgaatcc tcaatcgcta gagctcataa actcaaacac ggcacctcaa 300

taaaacccga cgaagatgct ctctcctcca ccaccaccgc atccgccacc gtcgtgaaat 360

ctcctctctc tgctaaaagc tacgggcgga tactcaagtc tctctnagct ttnggaaaac 420

gtcgcaaaca atcccaattc gttttcgaaa acnggaaaca attcccgttt nggggaacct 480

tggtncctca aagatatctc cgntccgg 508

<210> 6357
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E10

<400> 6357

acggttcggt tcccggccta ccganccgga attcncgggt cgacccacgc gtccgcgcat 60

ccatttatca tcatctcctt ataaatctcg aatctgccac agagagagcg tgtgacaaaa 120

tgagttcata agattccgtt atcgtcttcc tgattcctcc aaatctccgg cgaatttgca 180

ctctttacct ctctttgact ccgtgagatt cgaggattgt tagtttcttg tgatgtgtag 240

tctttgaagc aggggatttt tattgtattg aggaagaaga tggggtttga gccgttggat 300

tggtattgca agccggtgcc gaatggtgtg tggactaaaa ctgtggatta tgcgtttggt 360

gcatacacgc cttgtgctat tgactctttt gtgcttggta actcccatcc ggttctgttg 420

attctgtgtc cttaacgctt gtggctcatc acnaaggntt acaaagtggn taagttttg 479

<210> 6358
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E12

<400> 6358

acgcgtccgg agacattcta cagatcgctt gtcgcaacag aaaacagcaa ggttaataaa 60

atatgggaaa aattggaagg ttacaagaag aagcttgcgc gagcagaagc aatattagca 120

gcaactaata accgtcccac gaacaaaacc ggcttctgtg ggctagtcgg taaacaagta 180

gacagcattg agtattacac tgagctaatc aacgagtctg tagccaaact ggaaacagag 240

cagaaagcgg ttcttgctga gaagcagcaa accgcagcag tggttttctt cacaaccagg 300

gttgctgctg catcaagcag ctcagtctct gcactgccag atggttgata aatggactgt 360

gacccgaagc tcctgaacca cggnaagctc ctaaggcaag aatctcaaca tcaaagctcc 420

tcaacaagaa taatccggca atact 445

<210> 6359
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E3

<400> 6359

ntggttgcct tgcctagcct ccggaatcca aggtcgaccc acgcgtccgg tttactctct 60

ctctcncctc catcggcgac gaccaccgga gatcagcgtc accgtaccaa aacatcattt 120

accttctttt agatttgttg ttttttaatc agttgaatcg gaataaaata tcgcatcaga 180

gatgagtaac gagcttctca ccatcgatcc tgtcgacctt caattccctt ttgaattgaa 240

gaagcagatc tcttgttctc tctatttggg taacaagacc gataattatg tcgccttcaa 300

ggttaatttc aatttttgaa ttggatatat attcttttgt gtatatctta atgttttcaa 360

gggtcaatta ttttttaaag gttaagacga cgaatccaaa agaagtactg cgttangcct 420

aatactggtg ttggttcanc cccagattct cctccngaaa gttttagtga ccatgcaagc 480

tcaa 484

<210> 6360
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E4

<400> 6360

acgcgtccgc ccacgcgtcc gttttagaga gcctcgnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnagaaga aaatttccat tgttcgaaac aggagttaca atgaaacaga ggaagaacag 180

taatctctca atcttcgtcg tagtcttctc tgttttcctc ttcgggatct tcatgtacaa 240

tgaagacgtc aagtccatcg cagagtttcc tttctccacc tcaaaacctc acgacgtcca 300

cgacgaaagc gacaccgatn acaagagatn acaacactac cggttcaaga gtcgatnaag 360

aactcagacc caattcaggg aatcgnttaa aaacgnannn ccnagttcaa gattccantt 420

aaggacgttt ccaaaaccag tttcaagaag gnggggtt 458

<210> 6361
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E5

<400> 6361

acgcgtccgg caccatcaat gaaagaaatt tttttctaaa gataatttca agaaaaacaa 60

gaaacttgtt ttgctatccg ccgccgtagc tttgctcttc gtagccgccg tcgccggaat 120

ctctgccgga gcttcaaaag ccaacgaaaa acgaactcta tccccgtcgt ctcacgccgt 180

gctaagatcc tcatgcagct ccacgcgtta ccctgagctc tgtatctctg ccgtggtaac 240

tgccggcggc gtcgagctaa cgtcgcaaaa agatgtcatc gaggcatcgg tgaacctaac 300

aataaccgcc gtggagcaca attacttcac cgtgaagaag ctgatcaaga agaggaaagg 360

actgacgccg cgcgagaaga cggcgcntca tgactgtttg gagactattg atgaagacct 420

ggacgaactc caagaaacgg tgggaagatn tccaat 456

<210> 6362
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-002-Q1-E1-E7

<400> 6362

acgcgtccgg tcaacggagg tggaatcatt gagacttgtt tctggcccgg gaagtatgca 60

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gcggatctca tcaaaagggg gttggctgag gaagataaga ccgcagaaca tggagtacgt 180

ctgacgatac cagactatcc atttgcaaat gatggtctaa tattgtggga tgcaattaaa 240

gaatgggtga cagactatgt gaaacattac tatcctgatg aagaactgat cacatcggac 300

gaggaactcc aaggatggtg gagtgaagtg cggaacatag gccacggaga caagaaagac 360

gaaccttggt ggcctgtcct caaaacacaa gatgacttga ttggtgtggt aactacaatt 420

gcatgggtca ctcaaggtca caatcaactt ta 452

<210> 6363
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E8

<400> 6363

acgcgtccga aaccatcatt ttctgaatct gtcaaaccaa aagagttcat ggagactttg 60

ctgcagaagc ttaaagactc actagccata gcacttgtcc atttctatcc tcttgcaggt 120

cgtctctcta ctttgaaaac cgacaattca agatctcact ctgtgtttgt ggattgtaat 180

aatagtcctg gtgctagatt tatccatgct gaatcagatc taagtgtgtc agacattctt 240

ggatccacat atgttccttt ggttgttcaa tctctctttg atcatcacaa agcattgaat 300

cgtgatggtt acaccatgag tctcttatca atcaaggtaa cagaactggt anatggagtg 360

ttcataggat tgtcaatgaa tcattccctt ggaaatggaa nttcctccng gaanttctca 420

aatccttggc cgganatttc aattc 445

<210> 6364
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB23-002-Q1-E1-F10

<400> 6364

acgcgtccgc ccacgcgtcc ggattctgat tctgatgaat cgctgggaga ctgggcaaat 60

ttggaaacaa tgaggagttg tcatcccatg ttttttgcaa agagaatgac tgaggttgct 120

tcaaatgatc ctgttgattg gatggatcag ccgtctgctg gccttgctat ccagggactt 180

ttgagtcata tcttagtgga agattattca gatatccaaa agaaacttgc tgatagcaat 240

tctacaacta acggaaacaa ggatgcagaa aacttagtgg acaagcttga agacaatagt 300

aaggcaggtg gtgacgaatc tgagatagat tcatcacagg atgaaaaagc aagaaatgtg 360

gtggcgtttt acaagctgga gatgataaag aattcaactt atcacaacac aaaggggat 420

taagactgaa attnaagggt ggaa 444

<210> 6365
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-F12

<400> 6365

nggttgcctt cctggcctac cgnaccggaa ttcccgggtc gacccacgcg tccgttccga 60

tcaaacggca tatttttccc tctcgagaga gcgataatgt ggaaactgaa gatcgcggaa 120

ggaggtagtc catggcttag aaccaccaat aatcacgtcg gaagacagtt ttgggagttc 180

gatccgaatc tcggtactcc tgaggatctc gccgccgtcg aagaagctag gaagtctttt 240

tcggataatc gattcgtgca gaaacatagc gccgatctgc ttatgcgcct tcagttttca 300

agagaaaatt tgattagccc agttttacct caagtcaaaa tcgaagacac tgatgatgtt 360

acagaggaga tggtggaaac cacgttaaag aggggtctag atttctaatc aactatacag 420

gcaaaacgaa gggcactggg ccaagtgaat taagggtggg cccaangttt ccntcccccc 480

aaagaactgg anaaa 495

<210> 6366
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-002-Q1-E1-F9

<400> 6366

acgcgtccgt gcagagccac caccgaagat tactcccttt gtggaatacg aagaagagct 60

tgaagatgat gacgatgatc tctcgctttc gtcagattcc gatatcgctg aagctcttga 120

ttggctagac ggtaaagacg atgacgagct aattggtggt ggcttttctc ttcatgctcg 180

tcgtcctaat gctcacggtg gacatggttc acgccctaac tctagtgctc ttcagcctat 240

ttcaaataag gcccagaagc ttactagtca cgttcgtgct tctcctttgg agggatggga 300

aggaagagtt aaagttggga tgtcgaattc tgtgacaact gcgattcgtg gaagtcttaa 360

agatacaaga aattgggaga agtaggaata ctgataaagc ggaccgggca actgttgaac 420

aagctcctga ttcaaagga 439

<210> 6367
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G11

<400> 6367

acgcgtccga gatcgcgagc ggccgcccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnna acggaaaaca tattgaggat gcgaataaaa 120

gattactgcg tttgattttc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnng 190

<210> 6368
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G12

<400> 6368

acgcgtccgg cttcatcatc ttctttctag tctctctctc tctcttcacc gcgtacacag 60

taacacagac ccttttttccc tcttactcaa ggttcttctt tgtcatcttg ttgccgaatc 120

cacaaagagg agaataaaga ttcgaccttt attagatatt aacgactctg gatttttggg 180

tttttggagt tggatccaca tgggttctta tccggatgga ttccctggat ccatggacga 240

gttggatttc aataaggact ttgatttgcc tccctcctca aaccaaacct taggtttagc 300

taatgggttc tatttagatg acttagattt ctcatccttg gatnctccag aggcatatcc 360

ctccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgtacaagg agatctgtta 420

acatccntca tccgatgacg cctga 445

<210> 6369
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G2

<400> 6369

gtcgacccac gcgtccgatc aatttctgaa acttttagtc atcatcagct caatttcgga 60

tctccggagt tgtattttta ctcctttgtc ggaggtaaaa tggctcagtc gtcgttggtg 120

gcggcggcgg ggagaagcgg aagggttatc ggcgattatg cggtgggtcg acaaatcggg 180

tcggggtcgt tttccgtggt ttgggaaggg aggcatcttg ttcatggcac cgtcgttgct 240

atcaaggaga tcgctatggc tcggcttaat aagaagttgc aagagagtct catgtcggag 300

attatcatct taaggaagat taatcatcct aacatcattc gctttatcga catgatcnag 360

gctcccggga agataaattt gggggttggn gta 393

<210> 6370
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-G3

<400> 6370

gtccggaatc caaggtcgac ccacgcgtcc gctaattcct ctcttcagct tcttgtgttg 60

tgacgcatac tcgtcgcagt cttgagatat ggccgccgca gtttccaccg tcggtgccat 120

caacagagct ccgttgagct tgaacgggtc angatcanga gctgtatcag ccccagcttc 180

aaccttcttg ggaaagaaag ttgtaactgt gtcgagattc gcacaganca acaagaagag 240

caacggatna ttcaangtgt tggctgtgaa agaagacana canaccgatg gngacagatg 300

gagangtctt gcctacgaca cttctgatga tcaacaagac atcaccaaga ggcanagggt 360

aaggttgact ctgtcttcca agctcctaat gggaaacggg aactcaacaa gnctgtccct 420

aactcaatac gaatacntta anccaagggc cttaggcant acaaacttg 469

<210> 6371
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-E1

<400> 6371

acgcgtccgc ggacgcgtgg gcggacgcgt gggcgaacct ttcaagattg caatgcaaaa 60

attcacaaag aagattgtgg atatgatgaa agaagaaaag ctgtttgaga ctcaaggagg 120

acccatcatt ctctcacaga tagagaatga gtatggacca atgcaatggg agatgggagc 180

agcaggaaag gcttactcaa aatggacagc tgaaatggca ttgggactgt ccacaggtgt 240

cccatggatt atgtgcaagc aagaggatgc tccttaccct attatagaca catgcaatgg 300

gattttattg tgagggtttc aaaccaaact cagacaataa gccgaagttg tggacagaga 360

actgggactg ggttggntca cnggaatttg ganggtgccg ataccaaatt agancaatcc 420

aaagacaatt gcgttccccc gtggctcgtt tcaaacaaga acngggg 467

<210> 6372
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B4

<400> 6372

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aaacaaaatc tcgccgctaa tttctctctc tatggcgctt tattgccgtg atacactaat 120

catcatcttc caaaagctca ccgtcgccga tctagcgcgt gcgagctgcg tctgtaaggt 180

ttggaattct gtagccacag aagacgatct tgttgtatct gctttcacgg ctccatggcg 240

gatcaaagaa cttgttggaa gaccagcttc tgtttcgttt tggagagata acggaatctg 300

gaaatttgct atttctcatc ggatttgtcg tggtgatant gtgactancc tcgcccgtca 360

aatacgccgt tcaanggtta tnggcataaa gcgggctaaa caacatggtn acc 413

<210> 6373
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B5

<400> 6373

acgcgtccgc agcggcaaaa agttctgaaa atgcagtttc tcgagtatca tttggtgcag 60

atcataaaag agctgaggtg atgggtaaac caatggagaa cagagaccag gtgaggcaaa 120

cagaatcagc tgagaagagt caccgcaagg aaaatgtgac caagagtgag aaaccaaggg 180

atcaagaagg ggtaaagaag actgaagcaa aggataaaga cagaaataaa gagaagaaag 240

aggaaaaaac agagtcgata aataaaactc gtcaggagaa accaaaattg atacgagggc 300

ccaagttaga ggaaagagaa aaggactctc cggatttaag aaattgcaag ctgcctgacg 360

tttcacggac aagcatcaag aaccttcaca ccganggaaa tcctggcaaa cggaangatn 420

atatgacaaa tggattccct ggtatgaaaa tggnaccacg 460

<210> 6374
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B7

<400> 6374

acgcgtccga gaagacgaag aagacgaaga agaaagagaa agtctcttag caaacatgac 60

cgccaccgaa gctaagaatc gcaaaatcaa tgtcggagat ggagatgacg ttgttgatat 120

cgaaatccct gacactgctc atcaaattag cagcgattca tggtttcagg tggcgttcgt 180

tttgaccacc ggtataaaca gcgcgtatgt gttgggatat tcaggaacaa ttatggttcc 240

tttaggttgg attggtggtg tggttggtct tcttattgct actgcaatct ctctttatgc 300

aaacactcta atagctaagc ttcatgagtt tgggtggcag aagacacatt cgctatagag 360

accttgctgg attcatttac ggtaaggaag gcttaacaac ctacatgggg gaattgcaat 420

aaggttaatc ctttcangaa ttaaattgtg ggttccatta 460

<210> 6375
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B8

<400> 6375

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cttcatcttc ttcttcgttt cttaccaaat cgatatcttc tcattcgttg catagtagct 120

gcatttgcgc aagttctaga atcagtcaat tccgtggcgg cttctctaaa cgaagaagcg 180

attcaacaag gtctaagtcg atgcgattga ggtgttcctt ctctccgatg gaatctgcga 240

gaattaaggt gattggtgtc ggtggtggtg gtaacaatgc cgttaaccgg atgatttcaa 300

gcggtttaca gagtgttgat ttctatgcga taaacacgga ttcgcaagct ctgttacagt 360

cttctgctga gaacccactt caaattggnn aactttaacn cttgggcttg gacnggnggg 420

aaaccggctt ctgngggaaa a 441

<210> 6376
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B9

<400> 6376

nacaaccaaa aaaaccaacc ttttttttcca cctaaatctt tgaatatcac aatatttact 60

atttacaatg gcgccacaag aacaagcagt ttctcaggtg atggagaaac agagcaacaa 120

caacaacagt gacgtcattt tccgatcaaa gttaccggat atttacatcc cgaaccacct 180

atctctccac gactacatct tccaaaacat ctccgaattc gccactaagc cttgcctaat 240

caacggacca accggccacg tgtacactta ctccgacgtc cacgtcatct cccgccaaat 300

cgccgccaat tttcacaaac tcggcgttaa ccaaaacgac gtcgtcatgc tcctcctccc 360

aaactgtccc gaattcgtcc tctctttcct cgccgcctcc ttccgcggcg caaccgccaa 420

cgccgcaaac cctttcttca ctccgggggn 450

<210> 6377
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-C1

<400> 6377

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cggaaccgga tttctttgtt ttagtgtctc tagtttcgat ttcttgtggg tttaatgtga 120

tctgaatcct attttcttct aacggtttct tttctaaatt ctcagatcta aatctgtaaa 180

gtctaaatct tttcctcttc cggttttgtt gcttgtttgt ctccttcgtc tgcagtttca 240

attctggccg ttccaactat ggcagaggca ggtttttttc tatccttcaa cgcctcagat 300

gcaaatnccc cctcaattga agatctagat ccctcctttc catccttgag aactttggnc 360

tttggggtnc ccgggatgtt gattgaatgt cgcaanggcc gtttnanggg aaaggnagaa 420

gtcctggggg tttaaattnc 440

<210> 6378
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-002-Q1-E1-C10

<400> 6378

acgcgtccgc ccacgcgtcc gcggacgcgt gggattgatt tgtctactcc aaattcgcaa 60

gaaaacgtga ataaatttga gaaatcacag aattatttga tattttgtaa attaactaat 120

tattgatata gaagaacaaa ttaatacaat ggactaatgt catagagcaa ttttttttg 180

ctaaacttca ggatttaact cattcttctt cttgttcaag tggttgctga ttctgaaatc 240

tcttcttcaa taacttaggt cttggtttca taggcttcaa gtacttagat tgaaatctaa 300

ccatctcttt caaaacacta atcagcttcc tctctatttc ttcaccgtca ggttcaatag 360

ctcctaagca ccgtgccaca acctccgccg tagttacaca tcctccgaat gggtccctcc 420

ttagcacaag ctctg 435

<210> 6379
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-C12

<400> 6379

acgcgtccgg cacaatgatc ggcatgctca ttcgatttga cagtaaccca ggagtaactc 60

cagaatggct aggcagtgca ttgatcgctg ttgctattgc tactttcata agtctgtcca 120

tggtatacct gctggcctat attcatctct ccggtgcaaa aaagtcgatt gtcacagcat 180

tatgcattat cactgccctc tctcttgctc ttgtatcttc tggtgttctt cctgcattta 240

ctgaggatac tgcaagagca gtaaatgtag tacatgttgt ggatacaagc gggcaagatc 300

aagtggcgtt tatatcacta ttctcaaaca ctcctggaaa cctaaacatg gaagcagagc 360

anatcaaaga agggttcaaa tgtggtanan aagaataaga ttgattttgt caagttttga 420

agctaaatac aattgt 436

<210> 6380
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-C5

<400> 6380

acgcgtccgg aaagttttca cagatccatc gtctccatga gatctctgtg aataacatta 60

cttctctttc tcaaactcag actctcaata acacaaaaac ccagatcttt ctctctcttc 120

accacaaaaa aaaatcgaaa ctttatttt gcttgatgaa gagcaaaatc caccaccagc 180

ccaatggtag caacaatggt gttgtttcaa gtaacgataa tggctgccga agtgagtctc 240

caagcccacc tttatctcca aaccgccgtg tcctccgtcg tcaacggcgg caaactttac 300

tcagagcttc ttctttctct ctccggagaa atcttcgtta cttgcttctc cttcctatga 360

tttacgcttc tggggcttct catgtgtgtt ggtccttttct ctggtcctgt cggatgggtt 420

tatgttcccg ggtcngttta acgggggccc cgaga 455

<210> 6381
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-C7

<400> 6381

acgcgtccgg gcgatgatga cgacgacgac gacaacattc ttccatccac tacttcctgc 60

taacacttac aaatccggag ctgtagcttc ttcctttgtc tcagttcctc gttcgtcgtc 120

tctccaattt cgctcacttg tgtcagattc tacgtcgatt tgtggtccaa gtaagttcac 180

cggaaaaaac agaagagtat cggttaccgt ttccgccgcc gcaacaactg aacctctcac 240

cgtcctcgtt accggtgccg gtggaagaac aggacaaatt gtgtataaga aattgaagga 300

gaggtcngag cagttcgtgg caaggggttt agtgaggaca aanggagatt aaggagaaga 360

tcaatggaaa ggatggaatt atccattggg ggatataana gaatactgca tcaaattggc 420

nccngcngtt gaaggggatt gatgctttgg gcaatcctaa c 461

<210> 6382
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-002-Q1-E1-D12

<400> 6382

acgcgtccgt ttcttcttca aaagttcgaa actttttttt ttccggcaat ggagggacta 60

gttccggtac agagacttcc aattaaagtg gcttcacctt ctctgtatcg gtgtaacaat 120

tctgtctcaa tcagacgttc aatttcaggt tttgccatgg acaggaagat aaactttagg 180

gctccgtcgc aattctcgat ccgagctcaa cagtcggatt tgaaggaaag cttagctgtg 240

tcttcttcat cagtagagga taaaggaaat gttcttagaa tcaaggaatg ggaagtagag 300

atgtatcagg aggaattaag ctattaagtc aaggtattag gataaggaga aaaccaccaa 360

gtaaggccct ttgggatact ccggaccatt tgagttgaga atgcataaca atgaagccga 420

atccccccg taatatcc 438

<210> 6383
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-D4

<400> 6383

agcctccgga aatccanggt cgacccacgc gtccgcaanc tcacagcaaa gcctctcgtt 60

gctagaggga atcaaacaat gggtgtttgt gaagtcaacc aagtcgaaat gcttacttca 120

agaggtacca aagtgaagtt caaggagaaa gaagagatgg aaagactgac tacagggcaa 180

ggatccgtct tatcaaccaa gacaagaaca agtacaatac tcctaagtat cgttttgttg 240

tccggtttac caacanagac atagtggcac agattgtatc tgcaagcatt gctggtgaca 300

ttgttaaagc ttctgcttac gcacatgaac tgcctcagta tggtctcact gttggtccta 360

caaactatgc tgcagcttaa ctgtactggg cntcctttgg ntccccgtgt tttaaaaaat 420

nttgggaaat tgggtngncc aattttnnag ggnaancntt taagggccct gggngaaaaa 480

cntttccngt ttagcccaaa cggaattcaa a 511

<210> 6384
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-D5

<400> 6384

acgcgtccgc ggngtttttg caaacgaaca tcagtctgaa tgcgatcaag atcgtcccgg 60

ggaaatacag ttctctcacc gatcatcagt ttcgtgcgcc gtatcgaatt aggtgcgccg 120

ccgcttcacc tgggaaaaaa cggtataaca tcgctctgct tcccggagac ggtatcggtc 180

cagaagttat ctctgttgct aagaatgtgc ttcagaaagc tggatctctc gaaggactgg 240

agtttgattt caaggagatg cctgtcggag gagcagcctt ggatttggtt ggagttccat 300

tgccggagga aactttcacg gctgcaaaac tatctgatgc cattcttctt ggagctattg 360

gangggtaca aatgggacaa gaattgagaa acatcctgan acctgaagat ggctccggtt 420

ttaaccttaa gaagagattc ccaaaagtcc tttgcctaaa tttgag 466

<210> 6385
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-D6

<400> 6385

acgcgtccga acactgttgc tgtctcgcct gatggttcgc tatgcgccag tggtgggaaa 60

gatggtgtta tcttgttgtg ggatttggct gaaggaaaga agctttactc gcttgaggcg 120

ggttcgatta ttcactcgct ttgcttcagt cctaacagat actggttgtg tgctgctact 180

gagaatagca ttaggatttg ggatcttgag agcaagtctg ttgttgagga cttgaaggtt 240

gatctcaagt ctgaggcaga gaagaatgaa ggtggtgttg gaactggtaa ccagaagaag 300

gttatctact gcacaagctt gaactggagt gcagatggaa gcacattgtt cagtggttac 360

actgatggag ttgtcanggt ctgggggtat tggnctttac aananacaca acaaagatga 420

agaagaagtc acgaaatccc ccggaaaaaa atttaactg 459

<210> 6386
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-B2

<400> 6386

acgcgtccgc tttatagctc ctctctatcg tctcgtctct ataaataaac gagaagctca 60

caaattccac aaaaatccac tctaactatg aaacaattag ggttttgaaa tttacctaaa 120

tctctccgta atcatcgatc aaaacgatgc tcgagtgtca atcaatgatg gagaaattat 180

caccgttcgt agacgtcgcc tctctggaaa tcgagtctct gcgaagaatc aaacgcccga 240

aacgcttctc tgaagaagaa tcagaagaaa ccgagaatac gacgaattca tcaaacgcgg 300

tattcggatt ccctaactta ccagaagaac cgaatcgccg atatgggatt aaagcgtttt 360

gttgcanaaa ccgggggttc ggattaccan atgggggnaa gaattccggg gaannttttcn 420

ttaaaagagg gggaancggg ttaaacttcn ttggggcggt ttggttattn 470

<210> 6387
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-011-Q1-E1-C2

<400> 6387

gtcnaaaatt aaagggtcga cgnacgcgtc cgcccttaac ttcttcttat acccttcgac 60

caacgaagaa ccctagaaat cgattaacaa gatgaatagg gaaaagttga tgaagatggc 120

taacactgtc cgcactggcg gaaaggggac agtaagaaga aagaagaagg ctgttcacaa 180

gaccactaca accgatgaca agaggctcca gagcactctt aagagagttg gagtcaattc 240

cattcccgcc attgaagaag ttaacatttt taaggatgat gtagtcattc agttcattaa 300

ccctaaagtt caagcttcaa ttgctgctaa cacatgggtt gtgagtggta caccacagac 360

gaaaaaattg caaggacatt cttcctcang attatcangc caacttggnc cagataactt 420

ggacaacctg aagaagctag caagagcaat tccaganaca aagctccaag tgnagggt 478

<210> 6388
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-A4

<400> 6388

acgcgtccgc ccacgcgtcc gggtgaagct agggcaacct ggatggagag aacgttatta 60

tgaagagaag ttctcagtag taacccctga agaaatggaa agagtccgga aggatgttgt 120

tttgaagtac acagaaggcc tttgttgggt catgcattac tacatggaag gtgtttgctc 180

ctggcagtgg ttctatcctt accactatgc accattcgct tctgatctga aggatttggg 240

agagatggat attaagttcg aattaggaac tccttttaag cctttcaatc aacttcttgg 300

ggtgttccca gctgcaagtt cgcatgcact tccagagcgc tacaggacct tgatgacaga 360

tcccaactct cctatcattg atttttaccc aactgatttt gaagtcgaca tgaatgggaa 420

acgtttttcc tggcanggta attgct 446

<210> 6389
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-014-Q1-E1-E1

<400> 6389

taccgnccaa gaattcccga aancgaccca ngcctccgcc cacgcgtaan gctctttctt 60

tatccgtacg aaaatggacg gtgttaccgg cggaggaacg aatatcggcg aggctgtgac 120

ggcgccacca ccgcggaatc cgcatccagc gacttnactt aatgcgaact ctttaccgcc 180

ccctttcctt agcaagacgt atgacatggt ggaagatccg gcgacggacg cgattgtctc 240

atggagtccg acgaacaata gcttcattgt ttgggatcca ccggagtttt ctcgtgatct 300

tctacctaaa tacttcaaac acaacaattt ctccagcttt gttcgccagt taaacaccta 360

tggttttagg aaagtggatc caagatcgat gggaatttgc caatgaaggt ttcttaagag 420

gtcaaaaaca tctattgaag gaagataagc cggagaaaat cctgntc 467

<210> 6390
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A10

<400> 6390

acgcgtccga aaaaaacgaa aatgaaaata ggatctcctt cttccccgat tctcagcgtt 60

gtctccagct caggctcatt ggatccgaaa attagtggat cacttggatc tcgaatcctt 120

ccggctactc aaagatcatc cccatcggag aatcttctcc tccataggaa aatgtcgtct 180

aattccctga ggcatgtcga gtccatgtcc cagctaccct caggtgccgg aaagatctct 240

caattaaacg ccgtcgtgtt aggagaatcc cttgcatcgg aggagaatga tctcgtcttt 300

cccagcaagg aattctccgg ccaaggctct tgtttcctcc cctcaacaag tacatggaaa 360

tgcataagan gtccatggat gaccctgctg ctttttttggt ccgatattgc gtctgagttt 420

ttactgggaa gcaagaaatn ggggtgac 448

<210> 6391
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A12

<400> 6391

cccnggtcga cccacgcgtc cggacatcaa ttcaatttac tttcgatttt gtcctcttcc 60

aaaaaccctt ccgcttaaac cctaattcac ttcgccggcc atgtcgacac tcgaggatgg 120

atttccggcg gataagctct tcgctcaagg atactcttac acctacgacg acgtcatctt 180

tcttcctcac ttcatcgatt tctccacaga cgctgtttct ctatccacgc gccttagccg 240

gcgcgtgcct ctctccatac cttgcgtttc gtctccgatg gatactgttt cggaatctca 300

catggctgct gctatggctt ctcttggtgg ggattggaat cgtccactat aactgtggga 360

atcgccgctc aaagcatccg anttaatccg ccaaagctaa ngtcgcntaa acatccgatt 420

gcntccgaac gccgggtgtt aaagttcccg ggagtatgag aattac 466

<210> 6392
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A3

<400> 6392

ggttggccgg gcntaccgga naggaaaggg tgggtcgacc gtccgcccac gcgtccgaac 60

aaaatgaacc aaacgagacg taagagacga cctgattcat ctctctctag actcgattct 120

ctttcgccgg aaatgctctt tccggccaaa tctccgtcgc taacttcttc tcgcatcaga 180

aacatcttct tattactcat cttttgtttc atcatctaca tcatcttctc ctacggcacc 240

aatttccgcc gtgaacagat ttcatcaatc gctcgatcgt tatctgtgtt ctccactcgt 300

cgccgtcact tactcttctc gatcgccgct tctcacnact cttggctccg tcgtagctcg 360

tacgttcgtc tctggtantc tcctgaatct acnngcgccg tcgtgtttct cgatcgcggt 420

gggattgggc gtcanatnta actcttcctc cgtgtgagtg tcctccaaan gacgttt 477

<210> 6393
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A4

<400> 6393

acgcgtccgc gacagaacaa gaagctgaag ttggaacaga gacatcctct gtttccggaa 60

ggtttttgag gaacagagat ttatatctct tcttgccttt tctcttaggc ttctctgatc 120

aagaatcatc aaacggagat gatgatgatg ttgcttcatc gcgtgagaga atcattttag 180

tcaacccttt tacacaagga atgattgtgc tcgaaggctc atcaggaatg aatcctctgc 240

ttcgtagctt actggagtca cgtgaggaag gtcgtcctcc tgcgtccaag gcttccatcg 300

atgcgatgcc gatcgttgag attgatggct gtgaaggaga gtgtgtgatc tgtttggagg 360

agtggaaagt ccgangagac ngtgaaagga gatccgtgta agcatangtt tcacggtgga 420

tgtatagaga aatgggtaag ggttcaaggg 450

<210> 6394
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-A5

<400> 6394

acgcgtccga atgggttcat ggatacccaa gttgctgctg ctgcaacttg tgcttctgtt 60

gactaagcat gctgattcaa gttctatcat caaatatctt cctggttttg aaggccctct 120

tcccttcgag ctcgaaaccg ggtttgttcc tcttcatatt agccttatga tgtatgactc 180

tgtgttctct aagttttgga gttaaatcat taaggtacat tggtgttggt gaggaagatg 240

aagatcaaat gttctactac ttcatcaaat ctgagagcaa tccaaaaaca gaccctcgtc 300

ttctctggct aagtggagga cctggttgct cttctttcac tggtcttata tatgagaacg 360

ggccacttgg tttcaaggtt gaggcgtaca atggaagtat ccccacgttg gtctctacta 420

catattcatg gacaaaggtt gcgaatataa tcc 453

<210> 6395
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A7

<400> 6395

aaaggaatcc gggtcgaccc acgcgtccga ttcagaaacc ctagagttct tcagcgagcg 60

aactctgtct gcgatttctt gttgattcta aatggatctc tcgcgagaag tcgatgactt 120

tatcaaagag acaatcgatc actctttagg gcttccgata tccatggacg ttctccagaa 180

aaagctctac acggcggaag aatctcagcg tcgtctccgt gaacagtatc tatctctggt 240

ttcgagattg aaagagaaag aaaaagtaat cgatctcgtt agatccgaag cgagtatgaa 300

tgcccagtcg ctgaagaaat tcgtcgaaga gaatcagaaa ttgggaagcg agcgcgagga 360

tttggtgaat cagtgtaaga agtgggaaaa agaatgcttt ctttatcatc aagatcgtga 420

atcactcatg gagttcggga acgaaactga cgaaanggct aagaagaagc aagaat 476

<210> 6396
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-A8

<400> 6396

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aaggcatatc ttctgtatga agaagaaatt tcagattcaa aggcacaagt aacagcacta 120

cgtttaataa tagggacact ccagaggatg cgtgtattta atgttgagaa cagagatact 180

ctgactcaca aggcgacagg gtattctgca agactcctaa ggaagccaga tcagtgtaga 240

gctgtttatg aatgtgcgca tctcttctgg gctgacgaat gcgagaacct ganngatgga 300

gagagggttg tgctttgcct gaagagggca caaaggattg caagatgctg ttcaacaaat 360

ggccaacgca tcccgtggta ccaagtagca ctgggtcggt gtctctatat gtcgaactgc 420

tgaacaagta tctctacntc ctggagaaa 449

<210> 6397
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-B10

<400> 6397

gttgccttgc ctagnctccg gaatccaggt cgacccacgc gtccgcccac gcgtccggaa 60

aaggcttcac gcccgatttc ttttttcccc agaaaaaggc ttcacttccg ttcgttgttc 120

ttcatcggtc tgcgccgcct cgcacatcgt ttcacctttc tcagaatctc tcttcccgtc 180

gattagtttc ctcagaggtt gcgatttgtt gagaaccttg atttagacta tgaagtctct 240

taatgatctt cctgcgccca aatcaaccac taccacgtat tatgatcatt ctaatgatgc 300

ttggttcaaa aaccgagtca ctgaatccga gacggtgaaa tcctccagta tcaaatttaa 360

agtggtgcct gcttacctga atcgtcaagg tttacgtccg aagaatccaa gangattttg 420

gcgatggtgg gtgctttccc gggagattca tcttcctcaa gtatcctcnt ccttа 475

<210> 6398
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-B12

<400> 6398

tacggctccg ganatcccag gcttacncaa anagatttga aaaagaagaa ggaggaggtc 60

aaggctttgg atgatgataa tggtgatgta gacgtcaaga gtcgtactga tgcatcgggc 120

agcaagaatg ttaatccccg aggagaatcc gtctcttcaa tacaagttgt cgagaagaat 180

gaaaaggttg tgtctttgag gaagagaaga ggctttatca actttgagga ttacgaagat 240

gaggaagatg aagaagctag tggcggtgga ggccgtatta ataaagggaa aaagaaagcg 300

aaaaagagcg gtggtgggtt agaggaagga tcacggtgca gccgtgttaa cggtagagga 360

tggagatgtt gtcagcaaac gcttgttggt tattctcttt gtgagcatca tctcggtaaa 420

aggaaaggta aggagcatga acaagaatgg tggttggtcc ttgccggcn 469

<210> 6399
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-001-Q1-E1-B3

<400> 6399

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ttttgtctac tatataccta gatatatagg ttttttttgtc cttctctttg gatcatttcc 180

acgacgaaac ggagaagagg ggacgatttt gccagccaag aaacaaagaa ttgttaagga 240

actgaagatt ataaccttct gaaggataat gaagtctaag aagaagctta gcttgagaca 300

aagcaaagct tccaatagga acgttaacga aaccaaacct cttcatcatc tcttcccaaa 360

tctcaaacct ccgatgtctt tgctttctct ccgtctcttc cgccgccaca acatccaaaa 420

tctccttacc gaaccaacgt tgctctaagg ttaat 455

<210> 6400
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-023-Q1-E1-G2

<400> 6400

acgcgtccgg ttccgatcag ggcagtaact ccttcgactg ttctgagttc gggtggagtg 60

atcacggccc taaaacaccc gagatctctt caatgcttgt caataacaac gaagcatcat 120

ttgttgaaga aaccaatgca gccaagaagc tcaaaccaaa ctctgatgag tcagacgatc 180

tgatggcata ccttgacaac gccttgtggg acaccccact agaagtggaa gccatgcttg 240

gcgcagatgc tggtgctgtg actcaggaag aggaaaaccc agtggagcta tggagcttag 300

atgagatcaa tttcatgctg gaaggagact tttgaagtga tcgatggttc cttagtttgt 360

aaataaagct gtgttggatt ttgctgttgg gggatggtac aagtcacacc tcaaagctcc 420

aagcattggt atcctcatga acctctcctc caataagana agttcccctt taaattttg 479

<210> 6401
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-010-Q1-E2-H5

<400> 6401

acgcgtccgg gactttctca atccatatcc ctctctctgt tttttctaat ttgagcctct 60

aaagtctcct cgttttgttc atgttgttgt tcaagtgaag aagctcaatt atgtttacaa 120

cattgttgta atttcaaaac ttcataagaa tttctctgat aataaagaaa aagctggagt 180

agaactattt taaagtgtca tcatgaagag actaagcagc tcagattcaa tgtgtggtct 240

aatctccact tctacagatg aacagagtcc aagagggtac ggaagtaatt accaatctat 300

gcttgaaggt tacgatgaag atgctacact aatcgangaa tattccggna accaacaaca 360

catgggtcta tcggagaaag aaagagaaag aataaaaagt tgancaagtc aaagctcctg 420

agaaagaatt ccgaacttga gaataaaccc aaact 455

<210> 6402
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-017-Q1-E1-D7

<400> 6402

gccgtcgtac cggacacact tcccgggtcc acccacgcgt ccgaaaacat tgagcctaaa 60

cagatcaaag tgtggtttca gaaccgaaga tgtagagaga aacaaaggaa agaggcttca 120

cggcttcaag ctgtgaatcg gaagttgacg gcaatgaaca agctcttgat ggaggagaat 180

gacaggttgc agaagcaagt gtcacagctg gtccatgaaa acagctactt ccgtcaacat 240

actccaaatc cttcactccc agctaaagac acaagctgtg aatcggtggt gacgagtggt 300

cagcaccaat tggcatctca aaatcctcag agagatgcta gtcctgcagg acttttgtcc 360

attgcagaag aaactttagc agagtttctt tcaaaggcaa ctggaaccgc tgttgagtgg 420

gttcagatgc ctggaatgaa gcctggtccg gattccattg gaatcatcgc tatttctcat 480

ggttg 485

<210> 6403
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-001-Q1-E1-E11

<400> 6403

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gggcggacgc gtggggaaaa ttcaagaaaa gagtgggata ttctgtcaaa tggaggtatg 120

gttcaggaaa tggctcatat agccaatggt catgaacctg gaaactgtgt ctccttgctc 180

cgagtcaata gtggaaactc gagccagagc aacatgttga ttctacaaga gagctgtaca 240

gatgcatcag gatcgtatgt gatttacgcg ccagtggata tagtggcgat gaatgtggtt 300

ctaagcggtg gagatcctga ttacgtggcg ttgttgccgt ctgggttttg ctattttacc 360

ggatggttcg gttggaggag gagatgggaa tcagcatcag gaaatggttt ctactacttc 420

ttctgggagt tgtggtggtt cgcttttaac ccgttgcgtt tcaaattcct gttgactcng 480

ttccc 485

<210> 6404
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-D9

<400> 6404

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tgatcatcgt tcggagctcc gggaaacatg gcggcgacga gacaattacg aactctccaa 120

tctcagcctg aaaacaaggt atgtgtcgat tgcgctcaga agaatcctca atgggcgtcg 180

gtttcgtacg gaatcttcat gtgtttggaa tgctccggga aacaccgagg cttaggcgtt 240

cacatatcct tcgtcagatc cgtaaccatg gattcatggt ctgcgatcca gattaagaaa 300

atggaagctg gtggtaacga acggctcaac aaattcttcg cgcaatacgg aatcgctaag 360

gagacagata ttatctccaa gtacaattcg aacgctgctt ctgtgtatcg tgaccggatt 420

caagctttan ctgaaggtaa a 441

<210> 6405
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-016-Q1-E1-A7

<400> 6405

gtcanaaatt cccgggccga cccacgcgtc cacccacgcg tccgatcagt tattgggaca 60

tgaagttgag gcccagatgg ttcgtaacac actacctcga cgttttgggg tacctggtct 120

tccagaactg aatgcatctc aggttaatgc ggtgaaaagt gtccttcaga agcccatcag 180

cttgatccaa ggtccacctg gcacaggcaa aactgtgact tctgcagcaa ttgtgtatca 240

catggcaaaa cagggccagg gacaggttct cgtttgtgcc ccaagtaatg ttgctgtgga 300

ccaactagct gaaaaaatta gtgctactgg gttaaaggtt gttcgccttt gcgcaaaatc 360

aagggaagct gtaagttctc ctgtagagta tttgaccctt cactaccagg taagacatct 420

tgacacatct gaaaagagcg aactgcataa gttgca 456

<210> 6406
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-F6

<400> 6406

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cgaccttaag cagagatcaa tatgtctaca tggcgaagct cgccgagcaa gccgagcgtt 120

acgaagagat ggttcaattc atggaacagc tcgtaagtgg agctacaccg gccggtgagc 180

tgaccgtaga agagaggaat cttctctcgg tcgcgtataa gaacgtgatt ggatctcttc 240

gtgcggcatg gagaatcgtg tcttcgattg agcaaaagga agagagcagg aagaacgaag 300

aacacgtgtc gcttgttaag gattacagat ctaaagttga gactgagctt tcttcgatct 360

gttctgggga ttctcaggtt acttgatccc aaccaaattc cttanccaac tggcaatnaa 420

tccaaaggtt tttaactgaa gatgaaagga gattatc 457

<210> 6407
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-019-Q1-E1-F8

<400> 6407

acgcgtccgt ccnatttcaa aattttccgg tgaaatcgaa aaaaaaaagc gagatcttct 60

tctctaatgg cgacgacctt aagcagagat caatatgtct acatggcgaa gctcgccgag 120

caagccgagc gttacgaaga gatggttcaa ttcatggaac agctcgtaag tggagctaca 180

ccggccggtg agctgaccgt agaagagagg aatcttctct cggtcgcgta taagaacgtg 240

attggatctc ttcgtgcggc atggagaatc gtgtcttcga ttgagcaaaa ggaagagagc 300

aggaagaacg aagaacacgt gtcgcttgtt aaggattaca gatctaaagt tgagactgag 360

ctttcttcga tctgttctgg gattctcang ttacttgatt cgcatctaat tccttcagct 420

actgccagtg agtctaangg tttttacctg aagatgaa 458

<210> 6408
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-020-Q1-E1-A9

<400> 6408

tccaaaaatn cccgggtcca cccacgcgtc cggttaaata cggtccaaga aactgggaca 60

gtgattaagc aaatctattc ccggtagant cggggaaatc gtgtcgttta cggtggtgca 120

accagctttc gccgcaagtt gagcatcggc cgttttcggc tgaggaagac gagacgatcg 180

cacgtgctca cgctcagttc ggtaataaat gggcgacgat tgctcgtctt ctcaacggtc 240

gtacggacaa cgccgtgaag aatcactgga actcgacgct caagaggaaa tgcggcggtt 300

acgaccatcg gggttacgat ggttcggagg atcatcggcc ggttaagaga tcggtgagtg 360

cgggatctcc acctgttgtt actgggcttt acatgagccc aggaagccca actggatctg 420

atgtcagtga ttcaagtact atcccgatat taccttcccg ttgagccttt caagcctggt 480

gc 482

<210> 6409
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-002-Q1-E1-C8

<400> 6409

acgcgtccgg caacaaacag agaaaatgtg tggcggtgct attatttccg attatgcccc 60

tctcgtcacc aaggccaagg gccgtaaact cacggctgag gaactctggt cagagctcga 120

tgcttccgcc gccgacgact tctggggttt ctattccacc tccaaactcc atcccaccaa 180

ccaagttaac gtgaaagagg aggcagtgaa gaaggagcag gcaacagagc cggggaaacg 240

gaggaagagg aagaatgttt atagagggat acgtaagcgt ccatggggaa aatgggcggc 300

tgagattcga gatcacgaaa aggtgttaga gtttggcttg gtacntcaan acggnggang 360

gaanctgcaa tggnttanga gtttccggca aacaaattcg ttgggaaaaa nccaa 415

<210> 6410
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-017-Q1-E1-C1

<400> 6410

acgcgtccga aagacgcgtg ggcagcaaca aacagagaaa atgtgtggcg gtgctattat 60

ttccgattat gcccctctcg tcaccaaggc caagggccgt aaactcacgg ctgaggaact 120

ctggtcagag ctcgatgctt ccgccgccga cgacttctgg ggtttctatt ccacctccaa 180

actccatccc accaaccaag ttaacgtgaa agaggaggca gtgaagaagg agcaggcaac 240

agagccgggg aaacggagga agaggaagaa tgtttataga gggatacgta agcgtccatg 300

gggaaaatgg gcggctgaga ttcgagatcc acganaaggt gttagaattt ggcttggtac 360

gttcaacacg gcggaggaaa ctgccatggc ttatgatgtt tgcgggcaag cagattcgtg 420

gtgataaagc caagctcaac ttccana 447

<210> 6411
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-G1

<400> 6411

gtngttggcc gccggtccgg anatcanggg cgngncaaan aagaaaaact aaaaaagaga 60

accccaaaga atcgaatatt tattatttcg ccccgaagat tctatttctg atcatttaca 120

cccctaaaaa gagtagagct ttcgtgaagc caccatgtgt ggaggagcta taatctccga 180

tttcatacct ccgccgaggt ccctccgcgt cactaacgag tttatctggc cggatctgaa 240

aaacaaagtg aaagcttcaa agaagagatc gaataagcga tccgatttct tcgatcttga 300

cgatgatttc gaagctgatt tccaagggtt taaggatgac tcggcttttg actgcgaaga 360

cgatgatgat gtcttcgtca atgttaagcc tttcgtcttc accgcaacta ctaagcccgt 420

ancttccgct ttcgtctcca ctgtaggttc agcatatgcc aagaaaactg taagtccgcc 480

gaacaaactg agaaatcctc taaga 505

<210> 6412
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-022-Q2-E1-H5

<400> 6412

acgcgtccga gaaaaactaa aaaagagaac cccaaagaat cgaatattta ttatttcgcc 60

ccgaagattc tatttctgat catttacacc cctaaaaaga gtagagcttt cgtgaagcca 120

ccatgtgtgg aggagctata atctccgatt tcatacctcc gccgaggtcc ctccgcgtca 180

ctaacgagtt tatctggccg gatctgaaaa acaaagtgaa agcttcaaag aagagatcga 240

ataagcgatc cgatttcttc gatcttgacg atgatttcga agctgatttc caagggttta 300

aggatgactc ggcttttgac tgcgaagacg atgatgatgt cttcgtcaat gttaagcctt 360

tcgtcttcac cgcaactact aagcccgtag cttccgcttt cgtctccact ggtagttcag 420

catatgccaa gaaaactgta ngtccgctga gcaagctga 459

<210> 6413
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB23-021-Q2-E1-F3

<400> 6413

acgcgtccat tgatctcaat ataactgctc ccaaaaaagc ttctctagct gatgtgggtg 60

ttgtgggggа tctgagcaat gaagatggga acaaagcatc tgctgcatcg tactactcag 120

gctggtccat gggtgcagga tccgggcttg gtaaaactgg cctatacagt acacagcagc 180

agcagcaaca acaacaacaa caacaagcac ctgatatctc agacgatttc ttctccagcc 240

tcagtaacca aaggtaccaa tctggtggct ttaagcagtg aaattgtctg tgatttggtg 300

ttgagatgaa aaggcatatc aagtttgatt ctacattcca tactggaaat gtaagttttt 360

ttaatgggtt tgttgttctt gcacttcatt catgggacaa tctggtcggt gactgatgtt 420

gcattgttgt tgtgggcgtt tactttgggt ttaaatgaga ganaaaaaa 469

<210> 6414
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-B8

<400> 6414

ggcgagaggg aagatccaga tcaagaggat agagaaccag acaaacagac aagtgacgta 60

ttcaaagaga agaaatggtt tattcaagaa agcacatgag ctcacggttt tgtgtgatgc 120

tagggtttcg attatcatgt tctctagctc caacaagctt catgagtata tcagccctaa 180

caccacaacg aaggagatcg tagatctgta ccaaactatt tctgatgtcg atgtttgggc 240

cactcaatat gagcgaatgc aagaaaccaa gaggaaactg ttggagacaa atagaaatct 300

ccggactcag atcaagcaga ggctaggtga gtgtttggac gagcttgaca ttcaggagct 360

gcgtcgtctt gaggatgaaa tggaaaacac tttcaaactc gttcgcgagc gcaagttcaa 420

atctc 425

<210> 6415
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-029-Q1-E1-F4

<400> 6415

caaaaacgca ggaaaacaat gtcgtttaac agctcccacc tccttcctcc acaagaagac 60

cttcctctcc gacacttcac cgatcaatca cagcaacctc cgccgcagcg tcacttctct 120

gaaacacctt cgcttgtcac cgccagtttc ctcaacctcc ctaccaccct taccactgcg 180

gattccgatc tcgctcctcc gcaccgcaac ggagacaatt ccgttgctga tacaaaccca 240

cgctggctct cctttcattc ggagatgcaa aatactggag aagtacgttc tgaagttatc 300

gacggagtca acgccgatgg tgaaacgata ctcggcgttg taagaggtga agattggcgg 360

agtgctagct ataatgcggc gattttaaga catccgatgt ac 402

<210> 6416
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-009-Q1-E1-E10

<400> 6416

aagagcttga gtgttcatca gcatcactct gatcaaattt taccttcctc tgtttacaac 60

aacaatggta ataatggtgt tggattctac aacaattacc gttacgagac atcagggttt 120

gtgagtagtg tactgagatc tcgttacctt aaaccaacac aacaattgct tgatgaagtt 180

gttagtgtaa ggaaagattt gaaattgggg aataagaaga tgaagaatga taaaggtcaa 240

gactttcaca atgggtctag tgataacatt acagaagatg ataaatctca atcgcaggag 300

ttgtctcctt cagaacgtca ggagctacag agcaagaaga gcaagctttt aacaatggtg 360

gatg 364

<210> 6417
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-017-Q1-E1-G11

<400> 6417

cacacgcgtc cgctcctcca tatcttaaca atttcatagc aaaccctaaa attgagaaag 60

agatagagag agaaagatgg gtagaggaaa gatcgagata aagaggatag agaacgcaaa 120

caacagagtg gtgacgttct caaagaggag gaatggattg gtgaagaagg ctaaagagat 180

cacagttctt tgtgatgcaa aagttgccct cataatcttt gcaagtaatg gtaagatgat 240

tgattactgt tgtccttcca tggatcttgg tgctatgttg gaccaatacc agaagttatc 300

tggcaagaaa ctatgggatg 320

<210> 6418
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-C8

<400> 6418

gttatggcct gttgggagat tgaacagtcg cttcaaagtt ttacaggggt atctcctggt 60

gaaggcacag gagcaacaat gtctgaggat gaagatgagc aagtagagag tgatgctcat 120

ttgtttgatg gaagcttaga tgggttaggg tttggtcctc tagttcccac tgagagcgag 180

agatctttga tggaacgagt cagacaagaa ctcaaacatg aactcaagca gggttacaag 240

gagaaaattg tggacataag agaggagata ctgaggaaga gaagagctgg aaaattacca 300

ggagacacca cctctgttct caaatcatgg tggcaatctc attctaagtg gccttaccct 360

actgaggaag ataaggcgag gttggtgcag gagacgggtt tgcagctca 409

<210> 6419
<211> 401

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-E1

<400> 6419

cccacgcgtc cggaagaata tggcgagagg gaagatccag atcaagagga tagagaacca 60

gacaaacaga caagtgacgt attcaaagag aagaaatggt ttattcaaga aagcacatga 120

gctcacggtt ttgtgtgatg ctagggtttc gattatcatg ttctctagct ccaacaagct 180

tcatgagtat atcagcccta acaccacaac gaaggagatc gtagatctgt accaaactat 240

ttctgatgtc gatgtttggg ccactcaata tgagcgaatg caagaaacca agaggaaact 300

gttggagaca aatagaaatc tccggactca gatcaagcag aggctaggtg agtgtttgga 360

cgagcttgac attcaggagc tgcgtcgtct tgaggatgaa a 401

<210> 6420
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-080-Q1-E1-B7

<400> 6420

ctcgtttcct tcttcgctcg ctgttcagat tttgctttga ggctttaggc tccccagatc 60

tctaatcgcc gcagctttaa taaatggaga ctttcctatt cacatctgag tctgtgaacg 120

aaggacaccc tgacaagctt tgcgaccaga tctctgatgc agtccttgat gcctgccttg 180

agcaagaccc tgatagcaaa gttgcttgtg agacatgcac caagaccaac atggtcatgg 240

ttttcggtga gatcaccacc aaggctacga ttgactacga gaagattgtc cgtgacactt 300

gccgttccat tggattcatc tctgacgatg ttggtcttga tgctgacata tgcaaagtcc 360

ttgttaacat tgagcaacag agcccaaaca ttgctc 396

<210> 6421
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-015-Q1-E1-D12

<400> 6421

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aagaaatgga gactttccta ttcacatctg agtctgtgaa cgaaggacac cctgacaagc 120

tttgcgacca gatctctgat gcagtccttg atgcctgcct tgagcaagac cctgatagca 180

aagttgcttg tgagacatgc accaagacca acatggtcat ggttttcggt gagatcacca 240

ccaaggctac gattgactac gagaagattg tccgtgacac ttgccgttcc attggattca 300

tctctgacga tgttggtctt gatgctgaca aatgcaaagt ccttgttaac attgaacaac 360

agagcccaga cattgctcaa ggtgttcacg gtcacttcac aaacgtccag aagac 415

<210> 6422
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-C11

<400> 6422

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aaggacaccc tgacaagctt tgcgaccaga tctctgatgc agtccttgat gcctgccttg 180

agcaagaccc tgatagcaaa gttgcttgtg agacatgcac caagaccaac atggtcatgg 240

ttttcggtga gatcaccacc aaggctacga ttgactacga gaagattgtc cgtgacactt 300

gccgttccat tggattcatc tctgacgatg ttggtcttga tgctgacaaa tgcaaagtcc 360

ttgttaacat tgaacaacag agcccagaca ttgctcaagg tgttcacggt cacttca 417

<210> 6423
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-137-Q1-E1-H1

<400> 6423

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tccgacgcta tcctcgatgc ttgccttgaa caagaccctg agagcaaagt tgcttgtgag 120

acttgtacca agactaacat ggtcatggtt tttggagaaa tcaccaccaa ggctaacgtt 180

gattacgagc agattgttcg taaaacatgc cgtgagattg gattcgtctc tgctgacgtt 240

ggtctagatg ctgacaattg caaagttctg gttaacattg agcagcatag tcctgacatt 300

gcac 304

<210> 6424
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-H2

<400> 6424

cccacgcgtc cgctttttg ttcacatctg aatccgtcaa cgagggacat cccgacaagc 60

tttgtgatca gatctccgac gctatcctcg atgcttgcct tgaacaagac cctgagagca 120

aagttgcttg tgagacttgt accaagacta acatggtcat ggtttttgga gaaatcacca 180

ccaaggctaa cgttgattac gagcagattg ttcgtaaaac atgccgtgag attggattcg 240

tctctgctga cgttggtcta gatgctgaca attgcaaggt tctggttaac attgagcaac 300

agagtcctga cattgcacaa ggtgttcatg gtcatctcac caagaagcca gaggaggttg 360

gagctggtga ccaaggtcac atgtttgggt atgctactga tgagac 406

<210> 6425
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-G12

<400> 6425

ggggaatctg gtgatgttga acgcccaccg aggaattatg accgccatag caggacaggt 60

catggtactg gcatgaaacg taatggtgga ggtcgtggaa actggggcac tactgaagat 120

gatatccctc caacgtctga ggaacctacc acagaggttg agaagagccc tgttgctgag 180

aagcaaggag gtgaggatga aacccctgaa gcaaagaaag aactcactgc ggaagagaaa 240

gcacagaaag aagctgaaga agctgaagcc agggagatga ctctagaaga gtatgagaaa 300

attctggagg agaagaagaa ggctctgcaa gccacaaagg ttgaggaaag gaaagttgac 360

accaaagtgt ttgagtccat gcaacagctc tctaacaaga agaacaccga tgaagaaatc 420

<210> 6426
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-073-Q1-E1-C2

<400> 6426

aaaaaaagaa aaaacaaaat gagagagaga gagagagaga gagagagaga aacgaagaaa 60

aataaagaag cacaaaaaca ttgtgggtct ccggtgatta ggatcaaatt agggcaccag 120

ccttatcgga ggaagaagcc atgggtagaa aaaaagtcga gatcaagcga atcgagaaca 180

aaagtagtcg acaagtcact ttctccaaac gacgcaatgg tctcatcgag aaagctcgac 240

aactttcaat tctctgtgaa tcttccatcg ctgttctcgt cgtctccggc tccggaaaac 300

tctacaagtc tgcctccggt gacaacatgt caaagatcat tgatcgttac gaaatacatc 360

atgctgatga acttgaagcc ttagatcttg cagaaaaaac tcggaaatat ctgccactca 420

aagagttaca agaaatagtc caaag 445

<210> 6427
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-A6

<400> 6427

cagaaagtcg agaaagctgc tgctgctgtt cagcctccta aggccgctaa gttcccaacc 60

aagccggctc ctccttctca agcagtgagg gagtcgagga atgctcctca aggaggtcgt 120

ggtgggactg gtggacgtgg tggatttttcc cgtggcaggg gtaatggtgg atacaaccgg 180

gacaacagga acaatgatgc tcctggaaat gagaatggat tttctggagg atacaggaga 240

ccttctgaag atgctgatgg agcaagccgt ggtgggtctg ttggtggata ccgtgttggc 300

ggtggtcgtg aaggacctcg ccgtggtgga gttgccaacg gggaatctgg tgatgttgaa 360

cgcccaccga ggaattatga ccgccataac aggac 395

<210> 6428
<211> 383

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-077-Q1-E1-G6

<400> 6428

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ttacctcaag gagagggtga caacacgaag aagaaggtta gaaaagttaa ggcaaggctt 120

tgaggatgtc ttttacagga actcaacaga aatgcaaggc ttgtgagaag actgtttatg 180

ctgttgagct tcactctgct gatggacttg gatagcacaa gtcttgcttc aaatgcactc 240

actgcaaaag caggcttcag ctgagtagtt acacatcaat ggaaggtgtt ttgtactgta 300

agccacaatt tgatcagctc tttaatgaca gtggtaatgt caataagaac tttcattcac 360

ctgcaaaatc tgctgataaa tca 383

<210> 6429
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-031-Q1-E1-F8

<400> 6429

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ctatcttgaa taaaataccg ataatgacct caaccaatcc ggtggtcgcc gaagtaatac 120

cggcggaaac ttctacagat gctacagaga cgacgattgc aacgacggaa gctggtgaag 180

caccggagaa gaacgtgagg aaagcttaca caatcaccaa gtctagagag agttggactg 240

aaggagaaca cgacaagttt ctggaagctc ttcaattgtt tgatcgtgac tggaaaaaga 300

tgaaagattt tgttggttca aagacagtta ttcagatcag gagccatgcg cagcaatact 360

ttctaaaggt ccaaaaaatg ggaccttagc acatgttcaa ccc 403

<210> 6430
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-D12

<400> 6430

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aacattccaa aatcaatggc tgataggatc aaaggtccat ggagtcctga agaagacgag 120

cagcttcgta ggcttgttgt taaatacggt ccaagaaact ggacagtgat tagcaaatct 180

attcccggta gatcggggaa atcgtgtcgt ttacggtggt gcaaccagct ttcgccgcaa 240

gttgagcatc ggccgttttc ggctgaggaa gacgagacga tcgcacgtgc tcacgctcag 300

ttcggtaata aatgggcgac gattgctcgt cttctcaacg gtcgtacgga caacgccgtg 360

aagaatcact ggaactcgac gctcaagagg aaatgcggcg gttacgacca tcggggttac 420

ga 422

<210> 6431
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-092-Q1-E1-B7

<400> 6431

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aaccagatgg tggagagaag aaggagaaga agttcgaacc agccgcacca cctgctcgtg 120

tagggaggaa gcaacggaag cagaaaggac ctgaagcggc ggcgagattg ccgacggtga 180

ctccttctac taaatgtaag cttcgattgc tgaaattgga gcgaatcaag gactatttgc 240

ttatggagga agagttcgta gcgaatcagg agagattgaa acctcaggaa gagaaagctg 300

aggaagatag atctaaagtt gatgatcttc gtggtacacc tatgagtgtt ggcaatcttg 360

aagagcttat tgatgagaat cacgccattg tttcttcttc ggttggtcct gagtactacg 420

ttggcatttt gtct 434

<210> 6432
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E1-E6

<400> 6432

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ataagttttt tcaatattca aaacaaaaac cccatcaaaa taatctccgg accagtttct 120

ctttcgattc agtcggaccg gaaaaacaat ggcgtctgtg aacccctttcg atctcttgga 180

cgatgacgca gaggatccca gccagattgt tgcgtctaag ccattgaagg ttgtggctcc 240

ggttcagact gctaagtctg gtaagatgcc gactaagccg cctcctcctt ctcaagctgt 300

gagggaggca aggaacgctc ctggtggaag tcgtggtgct ggacgttgag ggagttatgg 360

gcgtggtgga cgttgtggaa aca 383

<210> 6433
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E2-E6

<400> 6433

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ataagttttt tcaatattca aaacaaaaac cccatcaaaa taatctccgg accagtttct 120

ctttcgattc agtcggaccg gaaaaacaat ggcgtctgtg aacccctttcg atctcttgga 180

cgatgacgca gaggatccca gccagattgt tgcgtctaag ccattgaagg ttgtggctcc 240

ggttcagact gctaagtctg gtaagatgcc gactaagccg cctcctcctt ctcaagctgt 300

gagggaggca atgaacgctc ctggtggagg tcgtggtgct ggacgtggag ggagttatgg 360

tcgtggtgga cgtggtggaa acaataggga ttcaaggaac aatgatggtc ctgccaatga 420

aaacggatat ggtgga 436

<210> 6434
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-H9

<400> 6434

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gtattgaaat ggcaactcct atggttgaag atacgtcaag cttcgaagag gatcagcttg 120

cttccatgtc caccgaagat atcactacag ctactcgtct tctcgacaac gagattcgaa 180

ttctcaacga agacgcgcaa agaacaaatc tagaatgtga ttcgtacaag gagaagatta 240

aggagaatca ggagaagatt atactcaaca agcagctgcc ttacttggat ggcaacattg 300

tcgagatttt ggagatgagt ccagaagatg atgccgagga aaatggtgca aataatgatc 360

ttgactcgca a 371

<210> 6435
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-035-Q1-E1-F7

<400> 6435

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cttctctatc gctttcattt ttctcctcca gatctcgatt ccaatctctc tccctctcta 120

cttccttcaa cagaaatgga aacgttccta tttacctctg aatccgtcaa tgaaggacac 180

ccagacaagc tttgtgacca gatttctgat gcgatccttg atgcttgctt agagcaagat 240

cctgaaagca aagtggcgtg tgagacatgc accaagacca acatggtgat ggtgtttggt 300

gagatcacta ccgctgcgaa agttgactat gagaagattg ttagatccac ttgcagggag 360

attggtttta tctctgctga tgttggtctt gacgctgaca aatgcaatgt tttggttaac 420

a 421

<210> 6436
<211> 318
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-A12

<400> 6436

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catcctccgc gttaccttcg gcggcggcgg ctgctgctac ctcgtctgca tctgcggttt 120

cttccgccgc atctgcagcc gcagcctcgt ccgccgccgc cgcccctgtg gctgccgcgc 180

ctcccgtcgt gctgaaaccc gtctatgacg aggttgtggt ggcggacgac gggatcacgg 240

acatcagacg tagtgtacag ctgcaggatt gcagacattc tttcttgacc tccgatggga 300

gcctcactgt tcatgccg 318

<210> 6437
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-051-Q1-E1-D5

<400> 6437

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ccggagaaaa agcaatttag ttctctttca tctaccaaaa tgacatcttc tctgtcactt 120

cactcctcct tcggagcttc cttcgctgat ctctccgacc gaggtttgat cagtaagaac 180

tctccgacca gtgtttccat ttccaaggtt ccaacttggg agaagaagca gatctcaaat 240

cgggactctt tcaagctgaa ttgcgtgatg gagaaaagtg tcgatggtca agctcagtct 300

accgttaaca atagcagtga tagcttagat actatgaata tcaacgaaga agctagcgtc 360

gtctacatta ttggtgaact tgggtaatag gtttggtccc tttgatgcaa tgagcac 417

<210> 6438
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-119-Q1-E1-D3

<400> 6438

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agatattgat ggatacgcac gtatcagccc taagagagat cacacgtttt cattggaatc 180

attcagcaac ggaaaaagta ctgctgaaga tcgtcacaag gtgtccacag atcgcagggc 240

atcgaacggg aaacaaatgg ctcgtgctag gactaagttc at 282

<210> 6439
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-112-Q1-E1-A6

<400> 6439

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gatccagatc tcgtcggttc tcccgtcggt ggatcatctc gccgtcgtgt ccatgcctcc 180

gccgggattt cttcctcatt caccggggac gctggattat cctccaggat cttaagattt 240

cctcctaatt tcgtccgtca gctgagcatt aaagcccgta gaaactgtag caacatcggt 300

gttgcacaga tcgtggcggc taagtggtcc aacaacccat cctccgcgtt accttcggcg 360

ggcgggctgc tgctacctcg tctgcatctg cggtttcttc cgccgcatct gcatccgcag 420

cctcgtccgc cgccgccgcc cctgtggct 449

<210> 6440
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-013-Q1-E1-F3

<400> 6440

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tcgtcggttc tcccgtcggt ggatcatctc gccgtcgtgt ccatgcctcc gccgggattt 180

cttcctcatt caccggggac gctggattat cctccaggat cttaagattt cctcctaatt 240

tcgtccgtca gctgagcatt aaagcccgta gaaactgtag caacatcggt gttgcacaga 300

tcgtggcggc taagtggtcc aacaacccat cctccgcgtt acccttcggc ggcggcggct 360

gctgctacct cgtctgcatc tgcggtttct tccgccgcat ctgcagccgc agccctcgtc 420

cgccgctgcc ggccccggtg gc 442

<210> 6441
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E2-F8

<400> 6441

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ctctggttgc tcgtgcttcg gctttcgggt tgggtctcat ctacggcaac atcaagctca 180

aggctttaaa gatagagaag aattcgcaga ttaaggccga agcaaaggct catcactaaa 240

ccaactcgtc ttctccttct caataagatt atgaagccaa gtgattgtta tctctaaatg 300

tagttctttt cctccttaag ctatatctcc ctcggtgaca ttttttccat ctttctgttt 360

ttttaatcaa agtcttctgt ctgacaaagc aatcgtatac ccgttttg 408

<210> 6442
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-127-Q1-E1-E2

<400> 6442

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caaagggttt gcaactattg acaatttggc cctcataaat gttgaaggta ctggaatggc 120

tggtgtaccc ggtactgcaa gtgacatttt tggctgtgta aaagatgttg gagctaatgt 180

gattatgata tcacaggcta gcagtgagca ttctgtgtgc tttgctgtgc ctgagaagga 240

agtaaacgca gtctctgagg cattgcggtc gagatttagt gaagctttac aagcgggacg 300

tctttctcag attgaggtga taccaaactg tagcatctta gctgcagtcg gccagaaaat 360

ggctagtaca cctggagtta gttgtacact tttcagtgct ttgggcaaag ctaatattaa 420

tgtccgag 428

<210> 6443
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-F8

<400> 6443

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ctctggttgc tcgtgcttcg gctttcgggt tgggtctcat ctacggcaac atcaagctca 180

aggctttaaa gataaagaag aattcgcaga ttaaggccga agcaaaggct catcactaaa 240

ccaactcttc ttctccttct caataagatt atgaagccaa gtgattgtta tctctaaatg 300

tagttctttt cctccttaag ctatatctcc ctcggtgaca ttttttccat ctttctgttt 360

ttttaatcaa aatcttctgt ctgacaaagc aatcgtatac ccgttttggt ttaaacctga 420

g 421

<210> 6444
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-C11

<400> 6444

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cagtgaagtt gtagcagaag caaagcaagc aggtttcaca gaaccagatc cacgagatga 120

tctatctgga acagatgttg ccagaaaagt aacaatcctt gccagagaat caggcttaaa 180

attggatctt gagggccttc cagtccagaa tcttgtgcca aagccgttac aagcttgtgc 240

atcagcagaa gagttcatgg agaagcttcc tcagtttgat gaagaattat ccaaacaaag 300

agaagaggct gaagcagcag gagaagtctt gagatacgta ggagttgtag atgcagtaga 360

gaaaaaagga acagtcgagt tgaaacggta caaaaaagat catccg 406

<210> 6445
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-092-Q1-E1-B4

<400> 6445

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cttttctcga aagtcatgcg gttttctgaa tcatctctaa ctggtttgag ggtttcgttt 120

ggtatctgga gaaacgggtt tctggaaaca aggagttcat acatcgcgat catgatctat 180

cgatcttcat ttatctataa aagcgtcaat gagattatga tggagtctaa aggtggtaaa 240

aagaagtcca gcaatagtag ttccttattt tacgaagcta ctctctgtta cagcattgat 300

gacgttagtc caaacggtgg aatcaagaca ttcaaatctt cagttcacgc aaactgcttc 360

tacagggcat ccttagtacc 380

<210> 6446
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-131-Q1-E1-H2

<400> 6446

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ttttctcgag agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg 120

atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaagtccag cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag 300

acgttcgtcc aaacgggtgg atcaagaa 328

<210> 6447
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-095-Q1-E1-F11

<400> 6447

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ctcgaaagtc ttgcggtttt ctgaatcatc tctatctggt ttgagggttt cgtttgatat 120

ctggagaaag gggtttctgg aaacaaggag ttcataattc gcgatcttga tctatcgatc 180

ttcatttata tataaaagcg tgaatgagat tatgatggag tcgaaaggtg gtaaaaagaa 240

gtccagcagt agtagttcct tattttacga agctcccctc ggttacagca ttgaagacgt 300

tcgtccaaac ggtggaatca agaaattcaa atcttctgtc tactcaaact gctccaagag 360

gccatcctga ataccagcgt gcaccga 387

<210> 6448
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E2-C3

<400> 6448

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ctactcaaac tgctccaaga ggccatcctg agtaccagcg tgcaccgatc ttcataatat 120

agttatagct ttctttactt tccagtttat aattttcttc tttcaaagct ccttttctgc 180

tggttcccgg atccaatcgt tctctcctcc tactacaagt cctgtcgctc acacaacaag 240

gcgagatggc cttatctgca atcggtttcg aaggttacga gaaacggctc gaggtgactt 300

tctttgagcc aagcatcttt caagactcca agggactggg actccgtgct cctgacaagt 360

cccagcttga tgaaattcct acacctgctg caatgcacga tcgtttcatc tctc 414

<210> 6449
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-A4

<400> 6449

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ttctcgaaag tcttgcggtt ttctgaatca tctctatctg gtttgagggt ttcgtttgat 120

atctggagaa aggggtttct ggaaacaagg agttcataat tcgcgatctt gatctatcga 180

tcttcattta tatataaaag cgtgaatgag attatgatgg agtcgaaagg tggtaaaaag 240

aagtccagca gtagtagttc cttattttac gaagctcccc tcggttacag cattgaagac 300

gttcgtccaa acggtggaat caagaaattc aaatcttctg tctactcaaa ctgctccaag 360

aggccatcct gagtaccaac gtgcaccgat cttcataata tag 403

<210> 6450
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-H8

<400> 6450

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agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg atatctggag 120

aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc gatcttcatt 180

tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa agaagtccag 240

cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag acgttcgtcc 300

aaacggtgga atcaagaaat tcaaatcttc tgtctactca aactgctcca agaggccatc 360

ctgagtacca gcgtgcaccg atcttcataa tatagttata gctttcttta ctt 413

<210> 6451
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-F11

<400> 6451

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tgcattggaa tctttctggg atggtaagag cactgctgag gatcttcaga aggtgtctgc 180

tgatctcagg tcatccatct ggaaacagat gtctgccgct gggactaagt tcatccctag 240

caacaccttt gctcactacg accaggttct tgacaccacc gccatgctcg gtgctgttcc 300

acctaggtat ggatacactg gtggtgagat cggccttgat gtttacttct ccatggctag 360

aggaaatgcc tctgtgcctg ccatggaaat gaccaagtgg ttcgacacca actaccatta 420

catcg 425

<210> 6452
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-132-Q1-E1-A8

<400> 6452

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tctacttcct tcaacagaaa tggaaacgtt cctatttacc tctgaatccg tcaatgaagg 180

acacccagac aagctttgtg accagatttc tgatgcgatc cttgatgctt gcttagagca 240

agatcctgaa agcaaagtgg cgtgtgagac atgcaccaag accaacatgg tgatggtgtt 300

tggtgagatc actaccgctg cgaaagttga ctatgagaag attgttagat ccacttgcag 360

ggagattg 368

<210> 6453
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-H12

<400> 6453

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caattgagaa cttagtcgtt ggatctgcat cacgtaatgg cttcatgaga agattcaaga 120

cggatttgcc aacaacagtg tcaaaatcag ctccagattt ctgcaatgtt tangtcattt 180

caaaaggcaa aattgcttca gtacgaaatg catcacgtcc tgctccttac caaaattcga 240

tgcagcaatg tgaaattgac aatcatcacc cacatactcc tgacaaagca ccaaagtacc 300

atgaccatcc caattctgca ggtagtacac catctagacc gcgcaaatca gttgaagcag 360

atagatngcc gttgggtgaa aaaggaagcc atatggggga cctccaagnt tc 412

<210> 6454
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-H8

<400> 6454

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tctaatccgc agcaggttca gcagttcctc tcctctgccc tctcccagcg cggcccatct 120

tcagtcccct acgaanagtc caacaagtgg ttgatccggc aacatctact taacctaatc 180

tcttcttacc cttccttaga gcccaaaacg gcatcgttta tgcacaacga tggtcgctcc 240

gtcaacctcc ttcaagcaga tggtacgatt cngatgcctt ttcatggagt cacctanaac 300

atacctgtga ttatctggct cctcgagtca tatcctcgtc atcctccttg cgtctangtg 360

aatcccaacc gctgatagga tcancanggc gacctcacgc acatgttact ccnttctgg 419

<210> 6455
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E1-A7

<400> 6455

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ttcggtcgtc tcgaactcga gctcgccgaa gttgagatgc ctggactcat ggcttgtcgt 180

accgaattcg gaccttctca gccattcaaa ggcgctagaa tcaccggatc tcttcacatg 240

accatccaaa ccgccgtact catcgaaacc ctaactgctc tcggtgctga agtcagatgg 300

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gccgctgttt tcgcctggaa aggtgagact ct 392

<210> 6456
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 6456

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agtacgagaa gaaggtgtac gttcttccca agcatttgga tgagaaggtt gcattacttc 180

acttgggcaa gcttggagcc aggcttacaa agctgtcaaa ggaccaatct gactacgtca 240

gcattccaat tgagggacca tacaagcctc ctcactacag gtactgagag agagagagag 300

tcgacaaagc ggttcaggtt cggatctact tgtggttttg tgttgggttg tggtgggaga 360

gtggnacagt ttgagataat ggtcttctga tgaagttgac caaatatcag tattaataa 419

<210> 6457
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-101-Q1-E1-F5

<400> 6457

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tcgtctcgaa ctcgagctcg ccgaagttga gatgcctgga ctcatggctt gtcgtaccga 180

attcggacct tctcagccat tcaaaggcgc tagaatcacc ggatctcttc acatgaccat 240

ccaaaccgcc gtactcatcg aaaccctaac tgctctcggt gctgaagtca gatggtgttc 300

ctgcaacatc ttttccactc aagaccacgc cgccgcagcc atcgctcgtg actccgccgc 360

tgttttcgcc tggaaaggtg agactcttca ggagtactgg t 401

<210> 6458
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-113-Q1-E1-E1

<400> 6458

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tggtgatgtt ggaaagggtt gtgctgctgc catgaagact gctggtgcta gagtcattgt 180

gactgagatt gatcccatct gtgcccttca agctttgatg gaaggacttc aggttcttac 240

ccttgaggat gttgtctcag aagctgatat ctttgtcacc accaccggta acaaagacat 300

catcatggtc gaccacatga ggaagatgaa gaacaacgct attgtgtgca acattggtca 360

ctttgacaat gagattgaca tgcttggact tgagacttac cctggtgtga agcgtatcac 420

catcaagcca cagactgac 439

<210> 6459
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-079-Q1-E1-F12

<400> 6459

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ccgatttcgg tcgtctcgaa ctcgagctcg ccgaagttga gatgcctgga ctcatggctt 180

gtcgtaccga attcggacct tctcagccat tcaaaggcgc tagaatcacc ggatctcttc 240

acatgaccat ccaaaccgcc gtactcatcg aaaccctaac tgctctcggt gctgaagtca 300

gatggtgttc ctgcaacatc ttttccactc aagaccacgc cgccgcagcc atcgctcgtg 360

actccgccgc tgttttcgcc tggaaaggtg agactcttca ggagtactgg tggtgtaccg 420

agcgtgctct aaattg 436

<210> 6460
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E2-A7

<400> 6460

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ttcggtcgtc tcgaactcga gctcgccgaa gttgagatgc ctggactcat ggcttgtcgt 180

accgaattcg gaccttctca gccattcaaa ggcgctagaa tcaccggatc tcttcacatg 240

accatccaaa ccgccgtact catcgaaacc ctaactgctc tcggtgctga agtcagatgg 300

tgttcctgca acatcttttc cactcaagac cacgccgccg cagccatcgc tcgtgactcc 360

gccgctgttt tcgcctggaa aggtgagact cttcatgagt actggtggtg taccgagcgt 420

gctccacatt ggggtccagg tg 442

<210> 6461

<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-015-Q1-E1-B7

<400> 6461

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ctcgaactcg agctcgccga agttgagatg cctggactca tggcttgtcg taccgaattc 180

ggaccttctc agccattcaa aggcgctaga atcaccggat ctcttcacat gaccatccaa 240

accgccgtac tcatcgaaac cctaactgct ctcggtgctg aagtcagatg gtgttcctgc 300

aacatctttt ccactcaaga ccacgccgcc gcagccatcg ctcgtgactc cgccgctgtt 360

ttcgcctgga aaggtgagac tcttcaggag tactggtggt gtaccgagcg tgctctagat 420

tggggt 426

<210> 6462
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-F8

<400> 6462

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acgcatcaga agaccaatat ctcatatttc tccgaccaaa ccagacccaa tccgactcaa 120

acaattgcca ataaacggct taatcagaaa accaaacgaa gaaccaaagc ttggctcttt 180

tatcctctca gtacctgtag tgaacaggct tgtaaggacc ttcaacgggt atgctgacat 240

agtcagattg gtccttggta agcttggtga gtcttgcacc aagcttgcct aagtgaagtg 300

cagctacctt ctcatccaag tgtttaggca aaacatagac cttcttctca tacttcccgc 360

ttgacttctc gttccagagc tcaagctgtg caatcacctg gttggtgaat g 411

<210> 6463
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-069-Q1-E1-B11

<400> 6463

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agaccgagtt cggtcggctc gaaatcaagt tcgacaagct tgatatacct ggaatcaagg 180

cttggcgtac agagatctga acatcacagg taatcaaaag cgcgagaatc acaggatggc 240

atcagattaa catgtacacc gtcgtacaca tcagaaa 277

<210> 6464
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-F11

<400> 6464

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agctctaatg agtagaatcc aaaagcttac aaagctcata cttgtctcta ccaagaattc 120

tattcctgga tatttaggtg acacaccagc tcattctcgc agcatttctg ctggtaaaga 180

tgataagtta gactctctgc tcttggatag tgataatctg gcatctccat cttcgactct 240

ctctctagca tcagatgcgc gacggtcttc cagcaagttt aaggatgaaa actctccagt 300

tggtctcaac ctcctgctct cttctccaca ccgctgttga tcttatcaat gagactaagc 360

ttgatgatga aatcaagtca tggttggcgt ttgctgccca gaaggtcgtt gaagtgaacg 420

c 421

<210> 6465
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-G7

<400> 6465

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agtgaaattt tcttacgcat ctcacaaggc tgtcaatgag tacaacgagg ccaaggctct 120

tggtgttgag accgtccctg tacttgttgg ccctgtctct tacttgcgtc tttccaagct 180

tgctaagggt gttgacaagt catttgatct tctctccctt ctccccaaaa tcctcccagt 240

ttacaaggaa gtcattgcag agcttaaagc acctggtgcc tcctggattc agcttgatga 300

acctctcatt gtcatggatc tcgagggtca cagactccag gcttttagcg gtgcctatgc 360

tgagcttgaa tcaactctct ctggtcagaa tgttcttgtg gagaccta 408

<210> 6466
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-048-Q1-E1-A3

<400> 6466

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cctctttgct ggtgttgttg atggaaggaa catctgggcc aacgactttg ctgcgtccct 180

aagcaccttg caggcacttg aaggcattgt tggtaaagac aagcttgtgg tctcaacctc 240

ctgctctctt ctccacaccg ctgttgatct tatcaatgag actaagcttg atgatgaaat 300

caagtcatgg ttggcgtttg ctgc 324

<210> 6467
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-049-Q1-E1-F1

<400> 6467

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tcaaaatggc ttcacacatt gttggatacc cacgtatggg ccctaagaga gagctcaagt 120

ttgcattgga atctttctgg gatggtaaga gcactgctga ggatcttcag aaggtgtctg 180

ctgatctcag gtcatccatc tggaaacaga tgtctgccgc tgggactaag ttcatcccta 240

gcaacacctt tgctcactac gaccaggttc ttgacaccac cgccatgctc ggtgctgttc 300

cacctaggta tggatacact ggtggtgaga tcggccttga tgtttacttc tccatggcta 360

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tacat 425

<210> 6468
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-H10

<400> 6468

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gaagccagtc ttctgtggga actttgagta tgatgcgcgc gaaggtgacc tggaacgact 120

attcaggaaa tacggcaagg ttgagagggt tgatatgaaa gctgggtttg cttttgtata 180

catggaagat gaaagggatg cggaagatgc catccgagca cttgaccgct ttgaatttgg 240

gcgtaaggga cgcagacttc gtgttgaatg gacaaagagt gaacgtggag gtgataaaag 300

atctggtggt ggttcaagga gatcctcanc cagcatgaga ccttccaaga ctctctttgt 360

gantaacttt gatgccgntg atactaggga cccgggatnt agagnaacnc cttgaacccg 420

tatgggggaa a 431

<210> 6469
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-A9

<400> 6469

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aaaaaaaaaa aatggtttct gtctccgaac ttgttctcta cgtacatgag aatgtctacg 120

aaacatgcat tggagtcaac atcgctaaca atgatcaagt atttgagtat gctcaaactg 180

catttgtcga aaacggtgac aacgatgatg acgttatcta tgattacgct ccagcagcat 240

gaatgaattt tatctctatt aggctaaagc gtagtgaacc aaccatgatt ttgtacttcg 300

tatattaatt atttaacggc cctagggctt cctttatgtt ttgtctactt aacactttca 360

ctataaatcg tcgagcattt tattctctca aaaaaaaaaa aaaagggcgg ccgctcctag 420

aaggattcaa gcttacgt 438

<210> 6470
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-B12

<400> 6470

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ctctgtcata aagatgacaa aactaccctc ctcaagatca agaaatccct aaacaaccct 120

taccacctcg cctcatggga tnccaaaacc gactgttgct cttggtantg cctcgagtgc 180

ggcgacgcta ctgtcaacca ccgtgtcact tccctaatca tacaagacgg cgagatctcc 240

ggtcagatnc cccctgaagt cggtgactta ncgtatctta catcccttat cttccgcaaa 300

ctcactaacc tcactggtca catccaaccc actatcgcca agctcaagaa cctcactttt 360

ctcagactaa gctggaccaa tctcaccggt ccggttcctg agtttctgag tcagct 416

<210> 6471
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-B7

<400> 6471

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agtctatgag atattgtctc cctttattca ggcctcgatc agtgaacact atggaggaag 120

cttgagtata ccatgaaagg tcttcactga ggttggactg aagtctggct ggatgctata 180

aaagaatgta tacttgcagg acaatgtgga ttctgaaggg catcatggtg aacgcacacg 240

gacaatacac gaagcagctt aagcaaacca aactcgggaa gatttttggg caatagaagg 300

ctagctgctg caaatccgcg tgtgaaatgg agtctcgaaa gcacttattg ttgcatttgc 360

acaatgagat atgggaagtg attcaaatct caaagtgcag agccattaag ggacc 415

<210> 6472
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-B8

<400> 6472

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ctgggtttaa ttttcgattc aatcttcatc tccttgatcc acagccatga ctgagtattg 180

ggtaagtcaa gggaacaaat ggtgtgaatt ctgtaagata tggatacaga acaatccaac 240

aagtattaga aaccatgacc ttggtaagcg tcaccgagaa tgtgttgata agaagctcac 300

tgatatgcgt gagaggagtg cagccaaaga caaagagctc aagaaaaacg aaaaactgct 360

tcaacagatn gaagctaaaa gcaactcgta nctatcaaaa aga 403

<210> 6473
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-B9

<400> 6473

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gggagcacct aaagccttct ctaaaggttt caatcttcag cacgttgctg atggcttgta 120

tggaagtcat ctacatgttt atagttggcc aggaggtgaa ataaaacaat taattgacct 180

tggaccgact ggtctcttac ctttggagat tagattcttg catgatccat ctaaagatac 240

agggtttgtt gggagtgcct tgtcgagtaa tatgataaga tttttcaaga acagtgatga 300

aacatggagc catgaggttg ttatatcggt taaaccgttg aaagtcgaaa actggatact 360

tccagaaatg ccggggctaa tcaccgactt cttgatctcc ctcgatgacc gatttattta 420

ctttgtgaac tgggctccat ggagacattc gtcagtacaa ca 462

<210> 6474
<211> 416

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-C1

<400> 6474

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caataattcc gtctacatct tcgatgatcc gtggaagaac cgcgaaagta attcccagaa 180

atgtcatttt tacgcttagt aggagttcca tttctgagtc tccattgatt tctccgagtc 240

gaataaaccc taaattagcc ggtagtttct cgttcaacat ccgattattg agctatttca 300

ctgttagaaa tggcttttgt cccgattgtt ctgtaccgag agaccctaat tttgttggat 360

tgactacaca atgtcggagt antgtcagga aggtttgtan tgaaaagaat gggaat 416

<210> 6475
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-C11

<400> 6475

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attaatgatc ggtatgagtt tcctctccaa ctggatctcg acagagaaga tggaagatat 120

ttatcccctg atgcagacaa gagtgtccgc aatctctaca ccctccacag tgtcttggtt 180

cacagtggag gagtgcatgg agggcattat tatgctttta ttaggccaac actttcagat 240

cagtggtata aatttgacga tgaacgggtc acgaaagaag atgtcaaaag agcactggaa 300

gagcaatatg gtggtgaaga agagttaccg cagaataatc ctggtttcaa taatccacct 360

ttcaaattca caaaatactc gaatgcatac atgcttgttt atattcggga aagtgacaag 420

<210> 6476
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-C2

<400> 6476

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agttcatcat actccattgt tgcagagatg gagaggaaat ggataaagcc aacagctgct 120

ancttggtt taatgattga tggtttttac aaggaggaga agtttgatga agtgaggaaa 180

gtgatgagaa tgatggatga atttggtgtt catgttggtg tagctacata caacattatg 240

attcaatgtt tgtgtaaaag gaanaaatct gcagaagcaa aggcgttgat tgatggggtt 300

atgtcntgta cgatgagacn aaactctgtg acgtattcgc ttttgattca tgggttttgc 360

agttgaggag aatttngntg aagctatgna tttgttttg 399

<210> 6477
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-C4

<400> 6477

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accattaacc ctaccataac tccatacacc gcgagatact ggattaacca aatcgagatc 120

atcgtagccg tccgatcaac aagtaccatc tcttgaaata ctcgaaatcc tcataagtcc 180

gtccctcttt gctctcacta tcaaaactct gaatttcgat ttcaatggag tcacgcgtgc 240

tgttacgcgc caccgcgaat gtcgttggaa ttccgaaatt gagacgacca atcggagcga 300

tccaccgtca attcagcact gcatcgtctt cctcgttctc ggttaaacca atcggaggaa 360

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cgtcngggat naacngnngg agagaaaagg ggaaattttc 460

<210> 6478
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-C9

<400> 6478

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aacttgctta catttccaac gattcttcaa gaaaagcgac tttcaaaaaa agaaagaagg 120

gtttgatgaa gaaggtacac gaactctcga ctctttgtgg catcactgca tgtgcgatca 180

tctacagccc gtatgatacc aaccctgaag tgtggccatc aaattccggt gtgcaaaggg 240

tggtttcaga atttaggaca ctcccagaga tggatcaaca caaaaagatg gtagatcaag 300

agggttttct caaacaaaga atcgcgaaag cgacagaaac tttgaggaga caaagaaagg 360

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<210> 6479
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-D1

<400> 6479

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taataacaat caatccaaca acgaatggag attgaagaag cgagtcgtga aagtggacat 180

gttgtgtgcg gatcatggat tcgtcgcccg aagaaagtaa actgggttct tatcgctaaa 240

gcttccaaac gccgtggctc atctgtttct tctcctgctc tcctcaacat cttctctttt 300

gaccccatta ctgcttctct ttcctcctct cctttggcaa cacacacgct taaggatagt 360

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<210> 6480
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-D4

<400> 6480

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accacatgct tggtcgtcta gcttccaaca ctgcgaagga gttacttaac ggacaggaag 120

tggttgttgt ccgatgtgaa gagatttgtc tctcgggagg tttggttcga caaaagatga 180

agtacatgag attccttagg aaacgtatga acactaagcc ttctcatggt cctattcact 240

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acaagattaa gagaatggtt attcccgana g 391

<210> 6481
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-D9

<400> 6481

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gacctaatcg tcaaacacgt ccttgactct ctccgtcctt atagcacaga aactggtggt 180

ggtcctctgg tgatcaatca tgtcgcgtat cattcaggta gaggtaatct catcgttgag 240

tacccaggat ctgttcccgg aaagatcttg tctttcgtcg gaatgcatat ggacgtcgtc 300

actgcgaatc ctgatgattg ggaatttgat cctttctcgc taagcataga tggtgataag 360

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<210> 6482
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-E1

<400> 6482

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tctgcgctta tgatggtaca cagagtgtga gtatggggat ccagtcagtt gtagacgatg 180

gaacatcggg tcttttaaac caagcgatgt gcagtgcttg cgaaatggca gccgtgtgga 240

tggagagcga attgactcag aatcaaacac aagaacgcat actcgcttat gctgctgagc 300

tatgtgacca tatagcaacc canaaccaac aatcagcaat ggactgtggg aaggtttcgt 360

cgatgcctat aatcacattc ccaattggtg gcaaaaagcc ttgn 404

<210> 6483
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-A7

<400> 6483

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tagatttgtg ttgtctgctt tctcgctcaa atctatatga tctttaggga gtaattttct 180

cgatggctgt tcgaattttt cgagaataga tccaaagaag ctcgtgcttt ggtgcaacta 240

gacaggccac atcccacgtt ttgatttctt aggttcactg taaagaataa tcaggagagt 300

acacagatgg attaccgacc ttctgatagt agtgggtaca gatgatgacc tgcctccatc 360

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<210> 6484
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 6484

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ggcggcccgt gatgcgcttc cgaggatcac gactgagaag ggcggcaaat ctccagggcc 180

ggcagacgtc tgccaggatg acatcgcacc gcgggtcaac tttcagacca tcgacgagct 240

tcacagtctc cagaagaaac gatctgcccc taccactcct cttagagatg gcagcgccag 300

cggagtcagc ggaactagtg gtccgactac tcctgtctcc agcgagacca tgcttcaatc 360

cgtcagtgca tcgttggctt cgttgacgag aagagacagg accgaagtta ataagaggag 420

atccgacttc ggcagctaaa agtagcacac gtgccagtga ctcctaagtc aacttcc 477

<210> 6485
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F8

<400> 6485

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ctgatcgtgc catcatgtct gatgcaatgc gttctgcggt tanagatgtc gcgagttact 120

tcccaaccgc aataattagc ggtagaagcc gtgacaaggt ttatcagttg gtaggactaa 180

cagaacttta ttacgcgggt antcatggaa tggacataat gacttcttct gatggtccga 240

attgtttcaa atccactgac caacagggta aggaaagtga atctgtttca gcccgcgang 300

agaattcata ccggttatcc gacgaggttt ttagaaccct tgttgnnaaa atgnaagata 360

tcaaacggtg naanaagtat nggaccacca agttcctggt gcaatctgtt anattac 417

<210> 6486
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F9

<400> 6486

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cttcgattct gtttcttctt cgtcgtcatc gccggcttag ggttttctct ataagcaaat 120

cttatcttct ccttttcctc cgtttttttct ggtcagcttt tgcttttaga ttacccttgt 180

tgcctgcgat cgatctgaaa aaagaggaac tttatcttgc tgacggctgt tataaaaaga 240

cgtggcattt cttctctgat tgtgtttatt tttatgacgg agaagatgaa cacacttgta 300

atctatcaga ctctaactgt tantgttggt gttttctaat gctgtcggca agacactatc 360

tttaggactg ctaagggaag tttagaggtt acacaagttg acttttttcn 409

<210> 6487
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G10

<400> 6487

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gatactgatg ttgagtgttt agtgattggc tcttgctctt ctaatttcct cacaaggaaa 120

aaaggacaag aaatgccatt aacggtgcta ggagaagctc cagagacatg tgagatatat 180

gttgtttgta aagatagaat cttaaccaaa tcgacgaatc agtttaccgc agattcatca 240

tctagtttcc gtataccaga aggagctgaa gcttatacag aatctttcag tcgcacacgc 300

tctgataaga cagggttgtc tgcttcatct ataacatctt caggcaggat gagaattgga 360

aggcctggct ctttaccgca taagtcatcc gacctcccna gtgt 404

<210> 6488
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G12

<400> 6488

cccgnccggt agcggtcaan ngtcaaggnc cccgggtcga cccangcgtc cgcccacgcg 60

tccggtttaa tacaaatggc ggcgatagag gacagtccaa cgttttcctc tgtggtaact 120

ccggcggctt ttgagatagg cagcctccgc gacaaccgag ataccggtgg atccggtgga 180

aaatgattca acagcaccgc caaaaccggt gagaatcacc tgtccaacag tcgccggaac 240

ttatcccgtc gttttattct tccatggctt ttatcttcgc aactacttct actctgacgt 300

tcttaaccac atcgcttcgc atggttacat tcttgtagcc ccacagttgt gcaaattatt 360

gccgccggga gggcaagtgg aagtggacga tgctggaagt gtgataaact gggcatcgga 420

aaacctcaaa gctcanctac aa 442

<210> 6489

<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G2

<400> 6489

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tgaacgtgga attcctgcga ttctcgggat catctctacg caacgtctcc cttttccttc 120

aaatgcattt gatatggctc attgttcaag atgtcttatt ccctggacag aatttggtgg 180

aatctattta cttgagattc accgtatagt tcgacctgga ggtttttggg ttctttctgg 240

tccacctgtg aactataata gacgatggcg tggatggaac acaaccatgg aagatcagaa 300

atctgactac aacaagcttc agtcacttct aacctccatg tgtttcaaaa agtacgctca 360

aaaagatgac atanccgtgt gggaaaaact cccaagacaa tccttgctat gacaaaatcg 420

ct 422

<210> 6490
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G4

<400> 6490

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atggtatact tatgcgatgg gacggaaatg gtaattgctt gcaagagttc gcatacgagt 120

cctctggtat tctctgcatg ttcacttttt gttctcgact gtgggttggt tattccaacg 180

gcactgttca agtatgggac cttgagggaa agctgcttgg tggattggta gctcatagtg 240

gacctgtaat aaaaatggct atcggggctg gttatttatt taccccttgca aatcatggag 300

gtattcgtgg atggaatgtt acttctcctg ggccccttga caatgtactg cgggccgagt 360

tggctgggaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnn 433

<210> 6491

<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G5

<400> 6491

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tagcttcgga ttcctttcga gtccacttgg tgtcactccc agaacttcgt ttcgtcgctt 120

cgtaatccga gcgaaaacgg aaccgtcgga gaaatcagta gagattatga ggaaattctc 180

cgagcaatat gctcgtcgct ctgggactta cttctgtgtt gataaaggag ttacttcagt 240

cgttattaag ggtttggctg agcataaaga ttcatatggt gcaccgcttt gcccttgcag 300

acactatgat gataaagctg ctgaggttgg acaaggcttt tggaattgtc cgtgtgttcc 360

aatgagagag angaaggagt gccattgtaa gcntttccga 400

<210> 6492
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-G9

<400> 6492

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tcaaccgacg atcgtggatc cagccagttt caaagtctgg aaagacgaag cgtttgagat 120

ttggtcaaga agctgggcta acttgtaccc agaagatgac ccttctagaa agttgctcga 180

ggaggtgaag aacagctact atttggtaag cttagtggac aacaattaca tcaatggtga 240

tatcttctct gtctttgctt gatctccgag aaaaccaccg gcgaagagga aacattcgat 300

ttcgagattt gttttgtacc ttttaaagtt atttttgatt cgtaataacc ttactttgat 360

gaatcaacaa aaacatcagt ttgattgcaa tnaaaaaaa 399

<210> 6493
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-H10

<400> 6493

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tttatcctcc taaaatcttc ttaattgtat ctaatctctt tctcaaaaac caaacactat 120

ctctcgatta tatcacaagg agatatgggg aacagtgaaa tgtcagcgag tgaggttgcg 180

gcggccaagc agaagaacgt cgacgattgg ttaccgatca catcttccag aaacgctaag 240

tggtggtact ctgcttttca caatgtcacc gccatggttg gtgctggtgt tcttagcttg 300

ccctacgcta tgtccaatct cggatgggga cctggagtga cgattatggt gatgtcatgg 360

atcataacgt tgtacacact gtggcaaatg gtggagatgc atganaa 407

<210> 6494
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-H11

<400> 6494

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cctagcttct ggtagcctcg gagcattggg gatcgccctc ctcatatggc tctacaagaa 120

agaagagtat tccagagcta ctttgcatgc acgaggaggt aggcctgatg ggcctaacaa 180

gctggcagaa agtggcaagc aatcaggagg agataatccg ttgaaggaag acaagccgcc 240

agaaagagat aagctgccga gaaaagacaa gccatccaag gaagacaatc tgctgaaagg 300

agataagccg gtcgaggagg ataaattgcc ggctgaggaa gaaaaaccgc cacaaaaaga 360

taaaccggcg ganggacaca aaccggcacn aaaa 394

<210> 6495
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-H4

<400> 6495

ggtcaaagaa ttcacgggcc gacccacgcg tccncggacg cttgggggaa atcgatggcc 60

gagagaagaa actttagctc ttcttcggat ccgatccgat atggattcta cttttcgtga 120

tgctactctc aaagctcctc tttgggaaca tgtttccagg aagctattgg agttaggtta 180

caaacgaagt tcaaagaaat gcaaagagaa attcgaaaac gttcagaaat attacaaacg 240

tactaaagaa actcgcggtg gtcgtcatga tggtaaagct tacaagttct tctctcagct 300

tgaagctctc aacactactc ctccttctca tcctcacgct nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nngatggtca tgagctcgga acaatcatca ttacatcatc 420

atcaagatng gcaaaaggca gagattctag cgcttataaa cctga 465

<210> 6496
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-H7

<400> 6496

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ccgttcgtta ttatcatgcg gaatactcaa agtcagacca taaggagcct aattgttgac 120

tgcatcgttc agatgataaa atctaaagtt ggaagtatca aatcgggatg gaggagtgtt 180

tttatgatat ttacagcagc tgcagatgac gaagttgaat cgatagttga aaaatcattt 240

gagaatgttg agcaagttat tctggaacac tttgaccagg tgataggtga ctgcttcatg 300

gattgtgtca attgtctcat caggtttgcc aataacaaag cttcaagacc ggataagcct 360

gaaagctatt tgcccttctc agaatatgtg anggattggn ctggcagaag ggaa 414

<210> 6497
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-H8

<400> 6497

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atacaccgan aatgggatga ggtgaagacc tggcttacaa gaacacngta caatgcatca 120

caggaacaat ttcaaggact atctctaccc anggaatgtt ggctgtgtan aactccttgt 180

ctgaagaang taaaanagat tttgngactg catacancgc atccttctat ccttgtangg 240

agattctcta tgaatgttac gatgatgtac aaagtggcaa cgaaatccgg tagtgttgtc 300

catagccggt cgtcgcttct annanaagga aggcttgcca gcattcccta tgggaaatat 360

tgancagaca agaatgtgga aangtgggtn aacgcgtcan ggaattccaa nacctgctgg 420

t 421

<210> 6498
<211> 362
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-A6

<400> 6498

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ttcttggaac ctcaggactc tcgggatctt acgtggagca aagggcctaa aacaaaaaga 120

gaagatctag aattacgtgc gaagcttgtt atgttgttat tgcgttattt tgtcttagca 180

cataataaag gtcaatctga ccaaaagaca tatcaggtga gtctgttcat tgtttcctcc 240

aaatgaagct ttaaaattta gagcttaaca ccaattgaaa aataaactca catgaatttg 300

tgttcatttg ttactgtttc cttttatgag agatcttttg tttataaaaa aaaaaaaaaa 360

gg 362

<210> 6499
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F5

<400> 6499

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gaagagatga ggtggatggg tttggaatca ggggagaggt gaaatctaat gaatgggatg 120

tgtcaaagcc atggaatttg aaagaggaag aggagggagt tgtgtttgat actggtggtg 180

aagtgccgtt tagctttgag aatagcttgg aaatggcgga ggaagagcgt gtgaagaagg 240

agttgattga gaaggaagag aangagcttc ttgaggttat caagggtcct gatcgagcat 300

ttggagacct tattgctaag tcaggtataa cagatgaaat gctagatagt ttaatagcct 360

tgaaagattt ccaaggggtc gaaggattac ctcctctgac tgaagattga aaaaccgcgt 420

ccttgaaaaa aat 433

<210> 6500
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-C8

<400> 6500

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cggccaccgg atttcacacg ctctctgccg tcggattatt caacggagag aagcacaagc 120

acccccttgg agtaacccta cccccggcac gccgattctc cgcttctgtc accgttttta 180

gctcgaggct tgtggactac gagcagccat tcgttaagag cttctggaac tacctcgagg 240

cggctaagga tttcatcaga ccggaagaca acggcccatc tcgctggttc tctcccctcg 300

aaagaagcaa ggatccatgt gacggtgccc cgctccttct cttcctacct ggtatcgacg 360

gaaatggact cgggctaata aggcagcacc agaaacttgg acaagatgtt tgatatctgg 420

tgcttgcaca taccagcgag caatcgctcc ttccttcaca gattcaagtc gccatggttg 480

a 481

<210> 6501
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-D10

<400> 6501

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ctttcttctt gaatcttgtt cttcatagat ctagtttttg ttttttactc tctagatcta 120

nagatctgtt gaattcactt ctttaatcca tctctgtgtt cttgagttcc gatggtcnaa 180

gtcaaactca agttcaagat ctgttgaatt tggaatcntg ctggtgaagt tagagatgan 240

ttatttccca gatgaagtaa tagagcatgt attcgacntt gtaacatctc acaaagacag 300

gaangcnata tctcttgtat gcaaatcatg gtanaagatt gaaagataca gtangcaaan 360

ggttttcatt ggganactgt tangccatta atccanagaa gttgc 405

<210> 6502
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-D12

<400> 6502

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tgtgaatttt ttgagggagg ggaatgagtt caatgagcag aagcagaagt cgaagtagaa 120

gtcgtagtcg ggatcggttt cgtagtcgga gtccgagaga caggagaatg agatctgaac 180

gagtttctta ccatgatgct ccttctagaa gggagaggga gccacgtcgt gccttcagcc 240

aaggaaatct ctgcaacaac tgcaagcgac ctggtcactt tgcaagagac tgttctaatg 300

tttccgtctg taacaactgt ggtcttccag ggcacattgc agcagaatgc actgcggaat 360

cacgttgttg gnactgtaga gaaccggggc cacgtancct caaactggtc a 411

<210> 6503
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-D2

<400> 6503

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tgttttcgag tctttgccat ggcgggtttc attaaacgca aaggcaacgt atttttttcat 120

tctcaagcct tagctgctgt ctactccaag ttgcagagaa gtaattgcac gcttgctgag 180

ggattcatgg agaagtgttc tagcattcgt caagttattg atgaagatat aaattcagtt 240

gatacatcta aagtggaaga aggtacgagc aagtgatgct ggaattaaaa attcantgat 300

ccctgaatcc tctatgaatg tcttgagact ccttagacgt caaggtttcg atgcatacct 360

tgttggtgga tgtgtaaggg ganttaatac cgga 394

<210> 6504
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-D7

<400> 6504

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atttcgagtt tttgtggttt gggtttttt cccgatttag cctaacagat aaagtttcga 180

gttttgtttc tcttaatcat cgtagatact aaccgaatca tcatggagaa gaactccttc 240

aagctttcta atcctctgga gatgagaatg gctgagtcta ctcgtatcag agcgaaatac 300

cctgaaagag ttcccgtgat tgtggaaaaa gctggacaga gtgatgttcc tgacattgac 360

aagaagaagt atcntgtacc aactgatcta accaattggg caaatttgtg tacgttgg 418

<210> 6505
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-E1

<400> 6505

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tatttgcacg gaaagaacat tgttcatttc gatttgaagt gtgagaatct tcttgtgaac 180

atgagagatc ctcagcgtcc tatatgcaag attggngatt tggggttatc ganggtgaaa 240

nanangactc tantatcagg aggtgttcgt gggactttgc catggatggc acctgagctc 300

ttgagtggga aaagcaacat ggtctctgaa aanatcgatg tttactcctt tgggattgta 360

atgtgggaac tactcactgg tgaagaanca tacgcagaca tncattgtgc ttccaaaatt 420

ggaggtacat tgaaaaccgc attggtccan naaatcccnc agtggggttg atc 473

<210> 6506
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-E2

<400> 6506

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tatacctaaa ttctttcttt ccatgcattt atgtcggttt tgacatcttt gttctcttag 120

tttaaaagat atcaatatta gttatcttct attctttgaa catttgtgtc catctcatga 180

agttcaggaa gcgtaggcaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnaaactcat atcaaatttg aatcttatca tcaaattgag 300

agtaatcaac gacaccactg caatcttgca tatacattgt tcttgtgtat tccacccgtt 360

tctttaatct tcaatgtacc gtaattgagt gtcnttttgg gttgtaacct gtaaggtga 419

<210> 6507
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-E3

<400> 6507

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caaagctttt cttcctttta tattcttcat tttgatgcga atatagagag agtccataaa 120

agaaacagta atggacgaat atattgattt ccgaccattg aaggtacaca gagcacaaga 180

cttcaatgac taaatacacc aaaaagtcat cggaaaaact ttccgggtgg taaagtcatt 240

gaaaaaggtt agtatttgtt atactgatcc tgacgcaaca gattcatcaa gtgacgaaga 300

cgaagaagat ttcttgtttc ctcgccggag agtcaaaaga ttcgttaacg agatcactgt 360

tgagcctagc tgtaacaacg tcgtcaccgg agtttcgatg aaagatagaa agagactctc 420

ntcttcctcc gatgaaactc aatcctccgg nggtcnagtc gtcaaacgtc ct 472

<210> 6508
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-E4

<400> 6508

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aagccctagt tttgatcatc gcacttcact ctcctccgca tgagaaatcg agaaatccgc 180

tcgacgtagt agatagataa aaccacaaag ttaggttttt ttcaattggg tatggaacct 240

cgtgttggga acaagtttcg ccttggccgc aaaattggga gcggctcttt cggagagatt 300

tacctcggaa ctgatgttca gactaacgaa gaagttgcta ttaagcttga aagtgtgaag 360

actgcgcatc cgcaattgtc atatgaagtc gaggatatat agagttcttc agggtggaac 420

tggggattcc aaatatgaaa tggtatggtt gttgaggggg actacaatgt c 471

<210> 6509
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-135-Q1-E1-E6

<400> 6509

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cttcttcgtc ctcgcagccg ttggttctgt catgtcttca aggaaattga tggctggtga 180

tgtgtctggt ccgtttggtg ttttaatacc ggcgattgct aatgcgttgg cgttatcatc 240

gtcagtttac atctcttgga acgtctctgg tgggtcatgt gaatccagcg gttacgtttg 300

cgatggctgt tgctggtcgg attagcgttc caaccgctat gttttattgg acttctcaga 360

tgattgcctc tgttaagggc ttgccttggt tcctaaaggt aaaccgtcaa tggaa 415

<210> 6510
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-E9

<400> 6510

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ccggaatgaa tcatttcctg cgctattagc ttttggagat tcaatggtcg atactggtan 120

cngnagttac ctcctgactc taatgaaagg aaattactgg ccatatgggt ggaatttcga 180

ctcaaaanta ccgaccggaa gatttggaaa cggaagagtt ttctccgatg taattgctga 240

aggtttgggg atcaaangaa ttgtaccaag cttatcgtaa gttatacatt gctccaagcg 300

accttaaaac gggtgtttct tttgcatcaa gtggtgcagg agtcgaccct gtnacatcna 360

aattgctgnn anttttatcg ccagntgacc aagt 394

<210> 6511
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F2

<400> 6511

cgttacgctn gcaggtgccg gtcaaagaat tancggggtc gacncacgcg tcnncccacg 60

cgtccgccca cgcgtccgcc cacgcgtccg cccacgcgtc cgcccacgcg tccgcccacg 120

cgtccgcagt tctctgcacc tttttctttc ccctgttttt tgatcctcaa tcaccaaacc 180

ctagcttgtt cttctgttga ttatttcgaa aaggggttt gtttgttttc tgggaatcag 240

caaaaatcac gaaatggttg gtttaatatt tcaatcggga taaaatcgat cgaaaatgag 300

tcagccttct gtgattcttg ctacggctag ctatgatcac accatccgat tctgggaaag 360

ccgaaactgg gtcgctgtta ccgtaccatt cangtatcct gattcgcatg ttaaatangc 420

ttgagatanc cccaggataa gcattatcta gctgcaagct tggaantcct ca 472

<210> 6512
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F3

<400> 6512

ctgttacgct tccagtgccg gtcnaagaat taacgggtcg anncncgcgt ccncgttgct 60

agaggaatca aacaatggtg tttgtgaagt ccaccaagtc gaatgcttac ttcaagaggt 120

accaagtgaa gttcaggaga agaagagatg gaaagactga ctacagggca aggatccgtc 180

ttatcaacca agacaagaac aagtacaata ctcctaagta tcgttttgtt gtccggttta 240

ccaacaaaga catagtggca cagattgtat ctgcaagcat tgctggtgac attgttaaag 300

cttctgctta cgcacatgaa ctgcctcagt atggtctcac tgttggtctt acaaactatg 360

ctgcagctta ctgtactggg ccttcttttg gctcgccgtg ttttaaagat gttggaaatg 420

gatgacgagt atganggaaa ccttnanggc cactgggaga aaacttttcc gttganccaa 480

c 481

<210> 6513
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-F4

<400> 6513

tancgggccg acccaccctt cnnctttngt natngggttg gtnattggat gggcanggaa 60

accaagatgg gttncttctn cnaataancg acaagtcaaa ttacaatgtt ctgctccaag 120

atcttttgat ttgtctttac catcttcttc tcctagttct gttgttactt ctcctttgaa 180

gggttttgga tcagctcctt gcttaaaggc tcttgtttgt gatacatgga ctatggcttt 240

aagacaacag agacaaacag tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga 300

acaacatttg gatttggttt caagaagtga agaaaacaaa ggagagattg cctaatactg 360

taacagagtt agatttgaga catcttgtgc aattggttga gaggaaagat ggtggtcaag 420

cctggattca gaagaatggg attcgttt 448

<210> 6514
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-C7

<400> 6514

tccttgacga gattggtgtg gcttacgatg agcaagacac ctacgttgtg gttaagcacg 60

cggctctgtt cacatcaacc atcatgagca agcttttggc tcgtcctaat gtgaagctct 120

tcaacgctgt ggctgctgag gatttgattg tgaaaggaaa cagagttggt ggtgtggtga 180

ctaactgggc tcttgtggct cagaaccacc acacacaatc gtgtatggac cctaatgtta 240

tggaagcgaa gattgtggtt agctcttgtg gtcatgatgg tccttttgga gctactggtg 300

ttaagangtt gaagagtatt gggatgattg atcatgttcc tgggatgaaa gctttggaca 360

tgaacactgc tgangacgct attgtgaagg tgaccagaga aggttgtncc tggtaa 416

<210> 6515
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A9

<400> 6515

ccgcccacgc gtccgaagaa attgcaaaaa gaagaagaag atatgagttc tcgaatttta 60

tcctccgatt cggacgacgt tgatgaagaa aacccgaaaa ctcacgagaa tggtccaatt 120

ggaggaaaga ctcaaaattt agggcaaagc aagggaggtg atagtgataa tgttgtaaag 180

actaatactt gtttcgtgtg tgatgggaaa gacaattggg ttttggtatg ttacggagag 240

gaatgtanta tagctantca tcagagttgt gcatctgatg aacctgattt cgatgaattt 300

ggaaatttct attgtcctta ttgttggtat aagcgtgtag ttgtcaagtg tttggagtta 360

cggaaaaann cttatgctga ctgacaagtc caaggaaggg atn 403

<210> 6516
<211> 465

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B10

<400> 6516

cttttttacgc cgnccggtac cggtcaaaga attcncgggn cgacccacgc gtccgctcac 60

caaacaactc tcatcaatat aaagagaaga gagtggtana gttatatatt acacacataa 120

acttanatat antagtgtta tattcttgat taagtaatan agatgaaagg tggaagcatg 180

gataaaatta agccgactat tggcgataat ttcactgcaa tttgggtatg caggcatgta 240

catcatcacc atggtctcgt tcaaacatgg catggaccat tgggttcttg ctacataccg 300

tcatgtcgta gccacggttg tcatggctcc ctttgctctc angttcgaga ggaaaattag 360

gcccaagatg acactatnca atattctgga ggcttcttgc tcntggaata ttanaagccc 420

ctcatggntc agaaatttgt nccanctaag gattganaaa ccccct 465

<210> 6517
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B2

<400> 6517

ggnaactttt acttgggccg gccacgggtc aaaacaatcc cggggncgac ccacgcgtcc 60

nataantttc ttcctccttc ccccttttcaa gaaaaccaag cggancaatc cttcntcaac 120

cgggtttatg ggtgacttcn ggaggggatt aagcaagcgt tgattcttgg gttatatcgc 180

caagggtttc aacgttgatt catggttgct ttctgatacc ttctctcacg acaacgattt 240

gctcgcaaga gctctccata ccaccgtcac aagcccctca tactctcact ccttcctctg 300

ctttcttcga ttcctccgct gtttctcacc cttcttccac taacacactc tcctctaacg 360

tcccgggngc ttctgattca naaatcaacg gcggaagagc taaacnggaa aagttaactg 420

ccntcttaac gacnggtnaa gccgccaaag ccgccggcgc tcgtgctttc aaggaaaatc 480

tcaagactac tttcaaaaac gggngggttc cgtc 514

<210> 6518
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B3

<400> 6518

tactttgncc cggcccgggt caaagncaac ccgggncgnc ccacgcgtcc nagagaagaa 60

aggttttgca tttgcaacct ttctcaaatt gggttctgtg catttccttg cactttggnt 120

aataggaact aaatctcttt ctctggttca tcaatggcgg atcaaacgaa gaagagatac 180

gttacaagcg aggatttgaa aaaacacaac aaacctggag atttatggat ttcgattcaa 240

ggtaaagttt acgacgtttc cgattgggtt aaatctcatc ccggaggcga agcagcgatt 300

ctcaatctcg ccggccaaga cgtcaccgac gcgttcatcg cttaccatcc cggaaccgca 360

tggcaccact tagaaaagct tcacaatggc tatcacgtga gagaccacca cgtgtcagac 420

gtctcacgtg actaccgtcg tttagccgcc gagttctcca aacgcggcct cttcgacaaa 480

a 481

<210> 6519
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B5

<400> 6519

gtcanagaat tcccgggccg acccacgcgt ccncccacgc gtccggcgga tttagatggt 60

gatggaacca tcgatttccc tgagttcttg tgcgtaatgg ctaagaatca aggtcatgat 120

caagcgccgc gtcacactaa aaaaacaatg gcggataagc tcactgacga tcagattaca 180

gagtacaggg aatctttcag gttattcgac aagaatggtg atggttccat tacgaaaaag 240

gagctccgta ccgtgatgtt ttccctcggt aaaaaccgga caaaagctga tcttcaggac 300

atgatgaacg aagtggattt agatggtgat ggaaccatcg atttcccctga gttcttgtac 360

ctaatggcta agaatcaagg tcatgatcaa gcgccgcgtc acactaaaaa aacaatggtg 420

ggattatcag ctcactgacg atcagatctt agaattcagg 460

<210> 6520
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B6

<400> 6520

aattcccggg ncgacccacg cgtccnccca cgcgtccgat ggcaccatca atgaaagaaa 60

ttttttctaa agataatttc aagaaaaaca agaaacttgt tttgctatcc gccgccgtag 120

ctttgctctt cgtagccgcc gtcgccggaa tctctgccgg agcttcaaaa gccaacgaaa 180

aacgaactct atcnccgtcg tctcacgccg tgctaagatc ctcatgcagc tccacgcgtt 240

accctgagct ctgtatctct gccgtggtaa ctgccggcgg cgtcgagcta acgtcgcaaa 300

aagatgtcat cgaggcatcg gtgaacctaa caataaccgc ccgtggagca caattacttt 360

caccgtgaaa gaanctgatc aagaaganga aagggactga cgccgcgcga gaaagacggn 420

gncttcaatg aacggtttgg anactattga ttgagaaccc tgggacg 467

<210> 6521
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B8

<400> 6521

aggtaccnag tcaaagaatt cccgggncga cccacgcgtc cncggacgcg tggggcttac 60

gaacaagaaa aaaagaagaa tctttagcca cctttgagat caaaagatga acatcgctca 120

cactatcttc ggcgttttcg gaaatgcaac tgctctgttt cttttcttgg ctccttcgat 180

aacattcaag agaatcatca agaacaaatc cactgaacaa ttctctggta tcccttatcc 240

aatgactctc ctcaactgtc tcctctctgc ttggtatgga cttccctttg tgtcaaaaga 300

caacacactt gtgaagcaca atcaatggca caggagcagt gatcgaaaca gtctacgtgt 360

taatctttct tttctacgca ccaaagaang gagaaaatta agatctttgg tatcctctcc 420

ttgcgttttg ggctgtattc gcaacagtag ctctcgtctc tctcctttgc tcctcaa 477

<210> 6522
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-B9

<400> 6522

cacgggncga cccacgcgtc cgctccattc ataattttga ctccactttc caaaaaaaac 60

aaaaaaaaat agatactaat ataaaaaatt ctcaaatcta aaatttcaga tttcagaaat 120

cgccatggct tcagtgactc taggttcatg gattgttgtn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt cctataactc ttactaaacc 240

catctccttt cgatnaaaac gcaccgtttc atcatcttct tcaatcgttt cttcttccgt 300

tgttacaaaa gaagacaatc tacgccaatc tgaaccatcc tctttcgatt tcatgtcgta 360

catcatcacc aaagccgaat tagtcaacaa agctttagaa tcaagctggt tcctctccgg 420

tgangccact caagattcaa ngaagggg 448

<210> 6523
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-C3

<400> 6523

cggtcaaagc anacccgggn cgacccacgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn naaaagctga acacaaagat ctattctttc actaacacat taccagtttc 120

tgcatttgta ttanatcctt ttctaaaact tttaaccatt ctttctccat tcccagttct 180

tagaaagagt caagagcaat gaggaagctt ttcttgttag ggtttatagt tgcaggactg 240

gttcttggga atgaggcaaa tgggtattta gagttcaatg tcactgaatt agatcgcant 300

gaggatttaa gagtttggtt tcgccaaatt cagttccaat ttcaatcnan naatggttgg 360

tctcacactt aacagaggag ctggttctaa angagctgtt tgtttggatg gtacattgnc 420

tgggatatca cttacatccg tggacatgga tctggagcca aata 464

<210> 6524
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-C4

<400> 6524

tcattggccg ncccggtcaa acnaccnggn ccgaccnacg cgtccngaaa gaaaagccnc 60

nattttncnc aaggcaancn cncnctcnct gcctcanctc ataaacccat tacaccaaaa 120

cctcatcgta nagagagaaa cacaccaacc attgttacac tctaagagaa gagaagagag 180

aaggaaaaat ggacggtgta tcaccaaagt ttgtgttgcc ggagacattc gacggcgtga 240

ggatggagat cacaggccaa ctaggcatga tctgggagct tgtaaaagca ccaatgattg 300

tccctcttct tcaattagct gtttacatct gtttgcttat gtctgtcatg cttttatggt 360

gagagggttt acatgggaat cgtcatcgtc ctcngtcaaa actcttctgg aaaaaaccaa 420

gacaaacgtt acaagttcga agcccantca cgaatgatga agaacttggg tagctccaan 480

tttcccc 487

<210> 6525
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-D1

<400> 6525

acgcgtccgc ggaattgttt ttgcagaaag tctctcatct gaactcagaa aatctccgag 60

ttcgtatatc ttcnccgttt gagcaatggn gttggtcatg cacacataca agggaaacan 120

aggtgccaat aaggcactta ttgctgcaga gtatgcgggt gtgaagatcg aggagtccgc 180

anactttcag atgggcgtca ctaacaagtc acctgagttc cttaagatga accctattgg 240

naangttcct gtgcttgaga ctcctgaagg tcccatattt gagaagcatg ccattgcccg 300

atatgtganc cgtangaatg gtgacaactc ctttgaatgg atcctccctt attggaatac 360

gctcacattn accantgggn tcgaatttcn ccncattggg agattgannng ctaacatgtt 420

taaagtggtt tg 432

<210> 6526
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-134-Q1-E1-D10

<400> 6526

ctgttcatca aagaaaacga aacccatttc tcaaaatcca aaattttcaa aaactcaaaa 60

ctcatcatgg gtttcatttc ttcttcatca ccagtagaag agtctcatta ccatacacac 120

aagatcttcc ttttctccaa ctacatcctt ctcggcgctg cttcaagttg tatcttcctc 180

acactctctc tccgtctaat cccttccatc tgcggattcc tcctcatcct cctccacgcc 240

accacaatcg ccgccgcagt ctcaggctgc gctgctgcat cttgcggaag aaaccgttgg 300

tacgccgctc acatggttgc aactgtgctc actgctatat tccaaggctc tgtctctgtt 360

ctcatcttca ccaacacgtc taaattcctc cggaagtcct aaatcctaag gtgg 414

<210> 6527
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-D2

<400> 6527

acgcgtccgg agaaagtgat gttcaacttc ttatctctta atccttcatt tgctctgtca 60

cacattgaag cctattttcg gttgcagttt gttaagtttt catgggaagc gttgtctttg 120

gagtgttctg aagttgactt taatcctgaa agaagaagga tatgctttta ctgaagttat 180

catgggaagc acttttgtg gagtttacag gagtgtctat gccgttgcag tattcgagga 240

tcgctttgat ctgccagtcg ttccttgtta ccttttcgc ttttgcaagt tctttcttac 300

ttgccttgct tttctctcgt tcatgtanta cttgatgcaa agtcttgaaa ctttcccgat 360

attggaccaa actccttttc attcatgccn tttaaggact actaagttat ggaactcccc 420

ctgatgtaga ang 433

<210> 6528
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-D3

<400> 6528

cccgggtcaa ganatcccgg ggncgaccca cgcgtccngc tcggcattga cattgttatc 60

gagggaacag gagtgtttgt tgatgggcca ggagcaggga agcatatcca agccggagcc 120

tcgaaagtta tcatcactgc accagccaaa ggtgctgata tccctaccta tgttatggga 180

gtcaatgagc aagactatgg tcacgatgtc gctaacatta ttagcaatgc atcttgcacc 240

accaactgtt tggcaccttt tgctaaagtc ttggatgaag aatttggaat tgtcaagggg 300

acaatgacaa ccacacactc ctacaccgga gaccaaaggc ttctagatgc atcacacagg 360

gacctaangc ttcaagaacc gcaacactga acatantgcc caacaacaca aggagcaacc 420

aaaggcgtgt cattaatggt tgccccaact gaanggtaaa cttaacgg 468

<210> 6529
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A8

<400> 6529

acgcgtccgg tttgtttctt tgctctgagg tatcttcgtt tganacaagg cgaaatcgat 60

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ttgatcgatc tctcangtta cttagaaggg cacaagaagc cgatgggatc agattggacc 180

aaagacatgg gaaggctcga gtganagttg gaagagtttg gcgtcatgct catgatggat 240

ctcatcacnt tgttgaatgg aatgtnagca tcagtcttct cnctcactgt ctctcttctt 300

aacgtcttga tgataactct gatattgtcg ccacagatac cattanaaac actgtttatg 360

tgaaagccaa ggaatgtgga gatcggctct ccggtgggag gaanttgcca tacntattgg 420

ggaaaacact tttgccnc 438

<210> 6530
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-G5

<400> 6530

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gtgaggtaca ctcgtggaag tttcctctgt cctggaggac aaccattccc tcaccgcaac 120

ttctctgaag aagtctctgt tcttgatggt cactttgcta ancttggttt aagcagtgtt 180

gcctacttga tgggcaatga cgatgaaacc aatgaaatgg catgtttact ctgcttcttc 240

tgccaacagc aacaacaaga acaatgtcta nacgcttgag atgtgtatga ctggtctaga 300

caaagacaag gcatctgtct tctacaagaa cgagtcaagc tctgctggtt ctatgactga 360

taactctggc atcagaaagg atactgcctc ant 393

<210> 6531
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H11

<400> 6531

ggtcgaccna cccgtccgaa tatttntctc tactcaantc actcanactc nnaaaagcgg 60

tagcaatgtc agccaccgcc gccgccncnt cctcgatcgc cgttgccacc aactctctca 120

ngaacgtgac tctgtcttcc agatcgcccc ttccatcagc catctccgtg gctttccctt 180

cccgtggacg caatactctt cagcgacgcc tcgttctcgt ttcctgcagt actggagacg 240

gatctaagcc tacgattctc gtggcggaga agctcggtga cgctggtatt aagcttttgg 300

aggatgtcgc gaatgtcgac tgttcgtata acatgactcc tgaggagctc aacattaaga 360

tcncgctctg tgacgccttg atcgtgagga gtgggactaa ggttggccgt gaggtgttcg 420

aatcgtctca cgggacggct caaag 445

<210> 6532

<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H2

<400> 6532

aaantccagg gtcgacccac ncntcaggnt aaggatgata acggtaagcg aagtttcctc 60

ntacccttcc ttcntcttca aacttccgcg tctctgtccc gtctcaatca caaatcatcc 120

ntcgagattg cgaaagctct tctctttaca aagggaagct tcttctctgt ttcgacaaag 180

accangagga acacttgtaa agccaaatca tggaatctcg gtcttgttat caactctaga 240

agctctgagg cttcggtttt tgatccgttg gggatcaatc cagatgaaac ttctggttta 300

agtagcattt gggaaanctt tgtgaagtcn tttgtcacca tcatttgaaa gctcttccgg 360

taacaagcga agataaagcc gtcntccngg tagaagcgtg gcagctgcta tttgaagaca 420

gttccattga ttttggagaa ttcttcaaag ggcca 455

<210> 6533
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H3

<400> 6533

atacacaagc cgtgaaggtg cagagaangc tgcgcaagag ctctccaaca ggctagtcat 60

caacggtcag aggctaaaac tcacatgggg aagacccaaa cctgatcaag atggtgcaaa 120

ccaacagggc ggtgtggctc atagtgggtt actacctcga gccgttatat ctcagcagca 180

caatcaaccc ccaccaatgc agcagtacta tatgcaccca ccaccagcta accaagacaa 240

accttattac ccatcaatgg acccacagag aatgggtgca gtcatttcaa cccaagaggc 300

tggtggttca agcactgaga acaacggagc ttcatcttct tcctacatga tgcctccaca 360

ccaagtcata ccancaccac catatggata tatgccatcg ccttancaag cagcagtatc 420

c 421

<210> 6534

<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H4

<400> 6534

acgccgtcag catgccatgt aacggtccag ggtncacggn nccatccngt cttgngacag 60

tctgtttcgt ctccggtggc ttttcatagc cttggtgaag ctgtagctac agtttcaaaa 120

gcttctcaat ctactagtgc tgctattgtg cttgcttcaa gtgtttctga tgaatctaag 180

cttagttctg tatcagcttt agcttcaggc atagtacttg gtttatttga agatggtagg 240

tataagtctg aatcaaagaa accatctttg aaagctgttg atattattgg atttggaact 300

ggggctgagg tagaaaagaa gctgaagtat gctgaagatg tttcttacgg tgtaattttc 360

gggagagagc tcattaattc tcctgccaat gtgcttactc ctgctgtact agctgaggaa 420

gcagcaaagg tggcttctac gtacagtgat gtcttcactg caaacatc 468

<210> 6535
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H5

<400> 6535

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cggtcccaac ggtaataaag gaggtggcgg agtccanatg aacggaggtc ccaacggtgn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncctccc 180

gccaggtttc cggccaatgg gaggcggtgg tggtggaggg ggaggacctc anagcatgag 240

tatgccaatg ggcggtgcaa tgggtggtcc aatgggaagt ctaccacaaa tgggtggtgg 300

tcccggtcca atgagtaata atatgcaggc ggttcaagga ttacccgcaa tgggtccang 360

angtggtggt ggcggtggcc catccgcana agcaccacca gggatatttc 410

<210> 6536
<211> 417
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H6

<400> 6536

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cgtgaacacg ggactaatcg cgggcagcta aaagagtttt cagtggatta tccgaatgaa 120

tatatcacag ccgttggtgg aagctacgac actgttttcg gttacggatc agcgttgatn 180

aagtcattac tcttcaaaac ctcttatgga angaacctct ccaatccttg gtcacacgac 240

attactangg aatccagctg ggaaagaatt catgctcgag tccaaatatg gaggaaagct 300

tcttggtttc catgngacgt tctggtgaag ctcntgatgc cantggacct cacttctttg 360

ctgtgaactc ttctcttaag cacnttaaan ccgcaaaggt gggaatggag ggaantg 417

<210> 6537
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-H7

<400> 6537

caaactcttg ggttcttctc tgattgaaaa tgagcttatc atcgccaacc agtgcttgta 60

gctcgtccag atgttactcc tcgggattat cgtttccgat tggatttgga tcgaatccca 120

tcaatgtggg attggtttgt tacccaaaaa gatacagtat tgctgctcgg aagttcgtag 180

tggcttgctc ctcctcctct tccgatccac ttttggttaa ggctgcaaaa gggcaagcca 240

taagtcgtcc tccagcttgg atgatgaggc aagcaggaag gtatatggct gtttaccaaa 300

agctcgccaa gaaacatccg tccttcagag agagatcaga gaacactgat ctaatagtgg 360

aaatctcttt gcaagccttg gcaaagcatt caagaccaga cggtgtcatc aattt 415

<210> 6538
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-H8

<400> 6538

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gcaatggcgg ctccgggatc ggttcagaaa ggagatgaag agtggcgtgc gattctttca 120

cctgaacagt ttcggattct tcgtcaaaag ggcactgaat atccaggaac aggggaatat 180

gtcaacttcg acaaggaagg agtttacggt tgtgtaggat gcaatgctcc tctttataaa 240

tccaccacaa agttcaacgc tggttgtggc tggccagctt tctttgaagg aatccccggt 300

gccattaccc gaacgacaga cccagatggg agaagaatag aagatcaact gtgcaacatg 360

tggtggacat cttgggtcat gttttcaaag gagaaggttt cgctactcca accgg 415

<210> 6539
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-H9

<400> 6539

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cgaaatggag gaaggtcgtg acgacgagta ttgtagtttt tctaattccg gcgatcgcga 120

cggtggattg agcggttgtt ttttcttgga tcatgttggc caagttttgc tttctcgaaa 180

tcatgatggt ttgtcctgga aatgtttgga ttcttcagat tgtgagggaa caacttgttt 240

gggaattata atttgcgaga attccgaaac tgagatcaaa ttctctgata tttatgctgt 300

ggagtttgtt agctatggct tggtgcatag tccaaagtta ggacttagac atgccaaaga 360

atgtttccgg gaacgcttgt taaatactca agagatgtat cggttcactg tccacggatt 420

tcaaagttca ccaaaagagc cttgtctttg ggaaccttgc tgcattcact tttggacata 480

<210> 6540
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A1

<400> 6540

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tcgtactggt ggtatccgta cactttccga tctgaaccga agatcagaac ctgattccga 120

tagtgactcc gatggacctc aagaatactt caccggtggc gaaaaaagtg gtatgcttgt 180

tcaagatcct acaaaagaac caaaacacga tgatgttgat gaagatattt aatcaagcaa 240

gacagctagg agctgtggaa ggacctcttg agcatccttc gagttctaga agctttacag 300

gaacaggaag attgctttct gggagaaagt gtgcaacggc tcttcaacag cctgagcctg 360

tgattcacaa tattaatttt ccgggncnaa tggattcact gtagatgatg gnccctttga 420

ggga 424

<210> 6541
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A10

<400> 6541

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cgtccgcttc tgcttaccag atcgaaggcg gcagaggtcg tggacttaac gtttgggatg 120

gcttcactca ccgataccca gagaaaggtg gagccgattt gggcaatgga gacactactt 180

gtgactcata ccggacttgg cagaaagatc tagacgtgat ggaagagctt ggagttaaag 240

gctacagatt ctcctttgcg tggtcaagaa tccttccaaa aggaaagagg agtangggga 300

atcaacgaan atggtattaa ctactacagc ggtctcatag atggcctgat cgcaaggaac 360

ataacgcctt tcgttacact ctttcactgg gaccttcctc aatcattgca agatgaatat 420

gaaggtttcc tggacagaac gatnattgac caattccaag gattacncgg t 471

<210> 6542
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A12

<400> 6542

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ctgtcaatgt catcaccacc gaagtagagt tgactccact caacagaaac tgaaactggn 120

aagtttgaga cttttaagat gtcagaaaca gaatttaaag tgttgcttga gacattcaca 180

tttcctgctg attctgctcc cttcaagagt tgtcatgcct cnaccatagt tgaggttgtt 240

aaagatcatt tcttggctgc gtatttcnga ggcaccaggg aaggagcacc tgatgtcaaa 300

atctggttgc agcatttcaa ggatggtcaa tgggattcac cggttattgt tgatgaagag 360

ccaggagttc caatgtataa cccctgtctt gttcaaactt ccatctcatg anctccttan 420

tgttccacaa aatcnggcag gngggtcaaa aaatgggaag tngg 464

<210> 6543
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-A7

<400> 6543

agtacangtc aaagaattcc cgggncgacc cacgcgtccn attttgcctc ggtgtctgtc 60

ccaactctca agaggctaag gtttagctgg caagagcgag atgagtttcc aaagagtgtg 120

ttgttagata ctccgaatct tgtatacttg aagtttactg atactgttgc aggcaagtat 180

ccgaaagtga atttggattc ccttgttgaa gctcatatcg atcttcgctt gttgaagcct 240

ctattgataa attaccatca aggttatggg gaaaatgata tggttggcaa tgctacagat 300

tttataatgc gtatatgcaa tgtgaagact ctttatctat ctgccaacac tcttcaggta 360

cttacttaca gttgtgatgc tataccaata ttcaacaacc tgactcattt aaccatcgag 420

agtaatccga gagtangatg gcagtcagta ccgggcttgc tca 463

<210> 6544
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-G4

<400> 6544

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gacggatctg gtgcctgcat atgctcgtct actttgtgat aatgaggcag aagttcggat 120

agcagctgct ggaaaagtta ccaagttttg tcgcatttta aaccctgaac tcgctatcca 180

gcacattctt ccctgtgtaa aggaattatc atcagactct tctcagcacg tcagatctgc 240

attggcatca gttataatgg gaatggctcc agtcttgggt aaggatgcaa caattgagca 300

tcttcttcca atctttcttt ctctattgaa agacgaattt cctgatgtac gcttaaacat 360

tatcagcaaa cttgaccaag tgaaccaggt tattgggatt gatctactat cacaat 416

<210> 6545
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-E4

<400> 6545

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gaaaccgtnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aagacaagaa 120

cttgatgttc atgtcttgaa acntaacaaa gtattgatct ttccttttaa gtaaanaatt 180

tgggggttac acaacttcgt ctagatggag caaganaaaa gcttggatcc acaactatgg 240

catgcttgtg caggatcaat ggttcaaatc ccttcactga attcaacggt tttttacttc 300

gctcaaggcc acacagagca ngntcacgcg cctcctgatt ttcacgcgcc gcgcgttcca 360

cntcttatnn gctgtcgtgt cgtcnccgtg aaagttcctc gccgacgctg anacanacga 420

aagtttttgc taaaaattac gcntttgcca 450

<210> 6546
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-E5

<400> 6546

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ccttttactc taacaaggag atcttcctcc gtgaactcat cagtaactct tctgatgctt 180

tggacaagat tagattcgag tccttgacgg acaagagcaa gctcgatggt cagcctgagc 240

tcttcattca catcattccc gacaagacta ataacacctt gaccattatt gatagtggta 300

ntgggcatga ccaaangctg anttggtcaa naaaccttgg gnacaantgc aagatctggg 360

aaccaaagga attcatggga agcactggct gctgggagct gaaggttagc atgattggtc 420

a 421

<210> 6547
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-E9

<400> 6547

ctcaaaaact ggacccctct taattagatc tctaatttgt tttctttctt ctccaaaatt 60

tgacaaagaa aagaattgat cttttgagag ggttccagtt ttttttctct ttcgtcttct 120

ccattcttgt ttgtagaaaa aaacccattt tttatttgga tttttcattt gattttcccg 180

ggaaagttgt aatttttang ttttttgagg gagattgaaa aagttcgata aaaatgtggg 240

gagccgccgc agaaccagca gattcttatt acctgattcg tcctgagtgc actgatgtcc 300

ccaataccaa attcaangat caaacctggg taaaactcna agtgtaagaa aatggcaagc 360

tgcatttana acagaaggat tccttgatat tgggaagact ctaaagtcga atccaacgan 420

ggggga 426

<210> 6548
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F1

<400> 6548

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gaagaaggac taatagagaa gatggaaatg ggtcgtcgag atttgatgag acgtggaaca 120

accaatcgat tttccaataa acaacaatct ggatctgggt tttctacaaa atctaagaaa 180

ggaatgctga agaaacttgg ttttgctgat gagaaactga aacangagat gagctacgat 240

actcttcctt ctccaagatt taagaaaacg aggtttctaa gaagaaatct aagcttccaa 300

aaaagaattt gaaagacact aatggtgtgg atcatgcctc tgtaccacgg aaagcttcgt 360

tcagccatga agaagcggga tcctgaatct gtttctaagc tatcctcctg tttcaaaaga 420

gac 423

<210> 6549
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F10

<400> 6549

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cggcggccat ctccgtcgag taattgaaat ctctctcagc cgttggattc gaattccgcc 120

gcatcttcat atacctcgtt tcaatcctgc ggaaccctag ttgctctgaa ttgtggtttg 180

ctactgtgat aagttcttca gtggtagatt aggaagcacc accaatggag attgtgtaag 240

acatattcat tacagctctc ttttaaggat tatggggtct gtttgctgtg tggctgcaaa 300

ggacagaaat gttcccagtg gagctattga taattcagtg tgttcaccat cgtggagttt 360

tcgacgggac aacaagaggc gtgtagctga tgagattaaa gattcatcna atcataat 418

<210> 6550
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F2

<400> 6550

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ggagctcggg tcccatcttc ttaccgtact ccanagagct ccaggaaagc atggttgtgg 120

tgaacgccat cgggaaattg aacttcacat tgtccccagc atcatagtag cctccggtca 180

agtccacctg caactcatac cgtgttattc agatggattt actatgcttt tactacttga 240

ctatgggtat acagttttag ggtcttacgt gagcaagatg agccatcaag agaggccaga 300

gctagacctc catgagagtt gttggtcact agggaggcga ccaagaccgc tgaccttgga 360

aaaagagtaa tgactttgag agtgcttctc tgtaattggg acttgcatan gtattctcca 420

gt 422

<210> 6551
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F4

<400> 6551

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gaagaagang atggtccgtt gatgaagaca atcaaangta gtatcactgg ttttggtgct 120

gggactattn acggaaccat tttagccaca tngaaagatg ttccaagagt gganana aaat 180

gtggctcttc caggacttat tagaacactg aacatgatgg gaacccatgg gctgactttt 240

gctgcnatan gangtgttta catcggtgtt gaacagctgg ttcanaattt taagatccaa 300

gacagatttt tacaatggtg ctattggtgg ttttgtcgct ggagcttctg tgcttggcta 360

tangancaag ggngcatccc cacagcgata gctgcagtgc aaacactaac ctgttanctc 420

<210> 6552
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F5

<400> 6552

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gaagcaatgt gcttcctgat ggacccaaac ctcgggaagc aagtttgtta tgttcagttc 120

ccacaaagat ttgatggtat cgataagaac gatagatatg ctaatcgtaa taccgtgttc 180

tttgacatta acttgagagg tttagatggg attcaaggac ctgtatatgt cggaactgga 240

tgtgttttca acatgaacag cattatacgg ttatgaacct ccaataatta gtagatcaca 300

ngaagccaag tcttttatct aaagctctgt ggtgggatca nnnaaagaaa gaattccaan 360

gctaagaaag agtcggacaa naaggaaatc aggcangcat actgactcaa ctgtncctgt 420

<210> 6553
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F7

<400> 6553

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ctgttgtgtg cgtgagaagg ttactaaaaa gctggggcca acgatatggc ctgtgttcgg 120

aattactcca gagttcttct ttcacaggaa tgatgtttat ggttgggcta caagatgttt 180

gaaaaaatgt cgaggtacct ttctctataa cggaatctgg cttggtgggt cgtatggagc 240

tgtgacttgt gtccctgcga acgttgaata catgctcaag actaacttca agaacttccc 300

aaaaggtgcg tttttcaaag aacggttcaa tgatctgctc gaggatggta tcttcaatgc 360

tgatgctgag tcttggaagg agcaacgacg gatnatcatt accgaaatgc 410

<210> 6554
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-F8

<400> 6554

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tctccagtgg agtcgtagca gcttaatccc gtcgatttat acgccaatca acaaaaccca 120

attctctatc gccgcctgtg tcatcgagcg gaaccaccag cttacggcga aggagagacg 180

gcagctccgg aacgagcggc gggagagtaa attggggtat agctggcgag aagaagttga 240

agaaaagttg attaagaaac caaaaaaacg gtatgcaacg tggacggagg agctgaattt 300

ggatactttg gctgagtcgg gtccgcaatg gtgggcggtt agggtttcga gacttcgtgg 360

tcatgagact gctcaaatct tagctcgagc tctggctcgt caattccctg aa 412

<210> 6555
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-F9

<400> 6555

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atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt ctggagctaa 180

gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg aaggcgaagt 240

cacaaaactc aagcttgaca attactctgg agctgggttt gaatcaagaa gcaaatactt 300

gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcagcag gaacagtcac 360

tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttcgattttg agttcttagg 420

gaacactacc gggcgagcct tacatagtcc agaccaaata tctacgtgaa cggagttgga 480

aac 483

<210> 6556
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-G1

<400> 6556

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cagacgttac ttgaacttta cctttgggtg cccgctcgtc gaaactattg ttaacaagtt 120

gactatcaaa gtcgtgcttc ctgaaggatc aaaggaccct tctgctgttt tgccctttac 180

agtcaatcaa gagttgcagg tcaaatactc ataccttgac attgtgggaa gaaccgtggt 240

tgtgttgcaa aaagataacg tagttcccac tcacaacgta cccttccagg tgtactatac 300

attcaaacca atatacatgc tagcggaacc attcatgctt gtatcggctt tcttcttaat 360

atttgtggct tcgcttgcgt atgtacacat cgatttcaat atccgtcagg aagtagaa 418

<210> 6557
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-G10

<400> 6557

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atggatatta gaagcaaagc cangacatta ccaggaccag taagtaatcc aacaaagctt 180

ccaaaatgga actacgatgg atctagcacc gatcaagctg ccggagatga tagtgaagtc 240

attctttatc ctcaggcaat atttaaggac ccattcagga aggggaacaa cattctggtg 300

atgtgtgatg cttacagacc ggccggagat ccaattccga ccaacaatag gcacaaggcc 360

gtaaaaatct tcgatnatcc caatgtgaan gctgaagagc cttgggtttg ggatagagca 420

agaa 424

<210> 6558
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-G11

<400> 6558

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aacgctgcaa ctctcgccgt cggttacttc cccattttcc ttccttcttc cgattcaaag 120

actcaatttt tattctccgg cgttgaggat tcatctccta aaaatctctg ctttatcttt 180

tgatttgagc tgatttggag aggagaagaa gatagataga taggtaattc ggattgatat 240

ctcgaaaaat ggctcagatt cagcatcagg gtcaaaatgc caatggtggt gtagctgttc 300

ccggtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnntttat atgtcggtga tctgggatgc gaccgtgacg 420

<210> 6559

<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-G3

<400> 6559

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ttaagaggaa cttagacgta ccggttactt gcaagattcg tctattaaaa tcaccagcag 120

atactgttga attggctagg agaatcgaga aacttggtgt accagctctt gctgtacatg 180

ggaggaaaat tgcagacagg ccaagagatc ctgctaaatg ggatgagatt gcagatgtgg 240

tggcagcatt atccattccc gtcattgcaa atggcgatgt tttagaatat gatgattttt 300

ctcgcattaa aaccgcaaca ggcgctgcat cagttatggt tgcaaagagg agctatgtgg 360

aatgcttcaa ttttctctcc aaaaggaaaa tcacactggg gaagatgtga aaaagaata 419

<210> 6560
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-E11

<400> 6560

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ttacgtcgat gtagctgggg aatcgaagtc ggagcatgtt actgggaagt ggttttcggt 120

gccggagctc cgactgcgtg accaccggtt catagttcct cttgattatt ccaaaagttc 180

tcccaaaatt accgtctttg ctcgagagat cgttgcggtt gggaaagagg agcaagcaat 240

gccgtattta ttgtatttgc aaggtggtcc aggatttgaa ggtccaaggc ctagtgaagc 300

tagtggatgg attcaaagag cttgtgaaga gtttcgagtg gtcttactcg atcaacgagg 360

aacaggcttg tccactcctt taacatgttc ctctatgctt caattcaaat cagcaaagga 420

<210> 6561
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-F4

<400> 6561

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tcagggtgta ngcatatgtn aaaatggatt tactggaatc gactgttcca ctgctatttg 120

cgatgaacaa tgcagcctac atggaggagt gtgtgataat ggggtttgcg agttccgttg 180

ctctgattat gcaggctaca catgtcagaa cagctctaaa ctagttacaa gtttattggt 240

gtgcaaagat gtattggana aagacatgtc agggcaacat tgtgctccaa gagagcctag 300

cattcttcan cagcttgagg aggttgtggt aatgcccaac tacaataggc tgtttccggg 360

cggggctcgg gaagttattt aacattttcg gtaacagtta ttgtgatgaa gcacctaaac 420

anactaagcc tgttggntat cnatccagan gtgttganat cnattggcna ngacacgact 480

ancgaggttt gcc 493

<210> 6562
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G3

<400> 6562

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gaagaaaaaa aaaaaaaaaa ggcaaagaga gagcttcaat ggagttagct tctttccttg 120

gtagagctct gtttgtttcc gtatttcttc tctccgcatg gcaagagttc aatgattttg 180

gtgaanatgg tggccgatca gctaaatctt tgaaaccaaa attcaatgcc tttgtaaacc 240

atgtgacaac tcacactggc cagcaattgc caccagtcga tatgaagatt cttgttgctg 300

ctgctatagc cttgaagggg tactgggggg actaantgtt tggnctttgg naagctcatt 360

ggggaactta actcttgctt ctgcatcaag gccgttnnca accccaaant ctgtaatgnt 420

ttctacaacn anngatgttt ganaagaana gggaattcgg gcaaactaat tttcaaana 479

<210> 6563
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G4

<400> 6563

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caggaggttc atccatgtga gtactgatga ggtctatgga gagactgatg aggatgcttc 120

agtgggtaat cacgaggctt ctcagttgct cccaactaat ccatactccg ccactaaagc 180

tggagctgag atgcttgtca tggcatatgg tagatcatat gggttgccgg ttataacaac 240

tcgcgggaac aatgtttatg gtcctaacca gtttcctgaa aagttgattc ctaagttcat 300

cctcttggcc atgaatggga agcctctccc aatccacgga gatggattta atgtgagnag 360

ttatctccac tgcgaagatg ttgctgangc atttgaggtt gttcctcacn aaaggggaa 420

agttancnat tnctaggagt atnggggaca acgaanagca aacg 464

<210> 6564
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G6

<400> 6564

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cggattagga ggctgcaaga gcttgttcct aacatggata agcaaaccaa cactgcagac 120

atgttggaag aagctgtgga gtatgtgaag gctcttcaaa gccagatcca ggaattgaca 180

gagcagcaga agagatgcaa atgcaaacct aaagaagaac aataatgtat cctttaggat 240

ttgatatatc tgtattttat ttttgtacta tctaaaaatg gtgatgatct gttcgaaaat 300

tcgaaacatg atcttatata ttgaactaga aaanatagat atatatgaat tttagctgta 360

aaatttttgt acaataagga gaaaaagatt taagaagagt caataaaaag atgatgttta 420

cangannaan anaaaaaagg gcggncgctc taaaggattc aagcttacg 469

<210> 6565
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G7

<400> 6565

acgcgtccgc acaaactgct tatcactaca actttccaca aaacgacgtc gtcgaagaat 60

gcttcaactt tttcatggat gaagaagacc tttcctcttc ttcttctcac cacaaccatc 120

acaancacaa cantcctaat acttactact ctcctttcac tactcncacc caataccatc 180

ccgccacatc atcaacccct tcctccaccg ncgcanccgc agctttagcc tcgccttagt 240

cctcctccgg gcaccataan gacccttccg cgttctccat acctcaaact cctccgtcct 300

tcgacttctc agncaatgcc aagtgggcaa nactcggtcc ttcntgaagc ggcacgtgnc 360

ttctccgggc aaaagacact gcacggtgcg caanaaatcc cta 403

<210> 6566
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G8

<400> 6566

acgcgtccgg tgactcanaa cgtcctgtgc atccttcacc tccttctcca ccagaggaaa 60

ctctcccacc tcccaagcca agtccagatc ccttaccttc taattcgtct tcaccaccaa 120

nattgcttcc accatcgtca gttgtatccc cgccttcgcc tcctcgaaaa tctgtgtcag 180

gtcctgataa tccatctcca aacaacccca ctcctgtgac agataattcc agcagttctg 240

gtattagtan agcggctgtt gtgggtgtaa gtattggagt ggcccttgtg ctgcttactc 300

tcattggagt tgttgtctgt tgcttaaaga aacgganaaa gaggctctca ancattggtg 360

gtggctatgt tatgccaaca cctanggnat cctcctcccc aagatcagat tcagcgcttc 420

tgaagacgca gtcatccgca cctccnagtg ggaaatcgtt ctagca 466

<210> 6567
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-G9

<400> 6567

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ctccggcgac gaagaaaact gggtttcacg tttccggtcg aaatctctca gtttggtgtt 120

ctctggagct cttgctctcg gtttatctct atcaggcgtg gggtttgcag atgcaaaagt 180

tggtgttaac aaaccagaat tgcttcctaa agagttcact tctgttatag atgttgctga 240

tttcctctct aatggtcagg aagaagagaa ttgctcaaga aatcgctaat cttgagaaag 300

atacaggatt caagttgaga gtcttggctc aaaactatcc cgttacccct gggactagca 360

atcaaaagat ttctgggnag gtggatgaat ancacaaatt gggtttggcc gctgancccg 420

a 421

<210> 6568
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-H10

<400> 6568

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gaatttttg atatgagaat gaaatcatct gctgctagaa ttaacgcggt cacacatggt 120

ggtgatgctg ctgcggaggt tactgctata gagtttgatg acagtgaagg tcttcaagta 180

gctgtcggga gtancgcggg aaaggtattc atatacgact tgcgtacttc aactcccata 240

agagtgaagg atcacatgta cgagagccca attttgaata ttaagtggca acggactctt 300

aatactcaac ancctaagtt gattactanc gacaaacaca ttgttacaat atgggatcca 360

aacaccggga ganggtatga ccaagcantg aaccgactca nggaggaatn acnagcattt 420

gtgtggttcc ggtggna 437

<210> 6569
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-H6

<400> 6569

gggcggacgc gtggggtgaa acatggggaa ggaagttatg gtgagcgatt acggtgacga 60

cgacggagaa gacgccggcg gcggcgatga atataggatt ccggaatggg aaattggttt 120

acccaacgga gatgatttga ctccgttatc tcaatatcta gtcccgtcga ttctcgcgtt 180

agctttcagc atgatcccag aacgaagccg tacaattcac gacgtcaatc gcgcgtcgca 240

aatcacgctc tcttcgttga gaagcagtac caatgcttcg tctgtgatgg aggaggtcgt 300

ggatcgagtt gaatcgagtg ttccaggatc agatccgaag aaacagaaga aatcggatgg 360

tggtgaagca acggcggtgg aggattccac ggcggaggaa ngagactccg ggcctgaaga 420

cgcntctggg gaaagacatc gaaacgaacc g 451

<210> 6570
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-H7

<400> 6570

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cagttggatt gcgtcttctc tcatcttctc cttcctgctc gtcttctcat taccacccat 120

cttctggtct cggaagccat ctccccctta gacgacccaa gagccaagtg gttcgtgtca 180

aggtagatga aaatgtagcc gagacagagc caccgaaatg gtgggagagg aatgctccaa 240

acatggtcga tattcattct actgaagagt tcttgagcgc tttaagcggt gcgggtgaaa 300

gattagttat tgtagagttt tatggaactt ggtgtgcttc ttgcagagca ttgttcccaa 360

ngctttgcaa ngacagcggt gggacatccc cgataatagt gttccttaaa gttaaacttt 420

ggatgagnaa taaaccgatg tgcaaggaat tttgaacngt gagaagtg 468

<210> 6571
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-A10

<400> 6571

acgcgtccga tcgtgatttt gcatacccat caggtttcag aaaaactgaa ataatggtgt 60

ataagcgcaa gtcaatggag aagaaaaagg aaggcatggg ttctactatt gatcaaaacc 120

tgagctttaa gaatattatg aaagatgttg cactctttgg ttcttcgcat atgacatgga 180

aggataagaa agcactggag gataagaaag tgactgcact tggtggaaag gcacaaaaga 240

tgcataagct accgctgagt gtagctcgag tgcagatgaa gaaacagaaa gatagagaag 300

agaagatgtt agaacagaat gtgattcttg gcagatttgg gtgggggtgg aagtngcagt 360

aggaaacccc gcagagagaa agcctacgcc agaagagaga gtattgaagt caactggnag 420

gggattttca aaggccgg 438

<210> 6572
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-A11

<400> 6572

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atggagatgg aatatcgata ttcgagtctc gagatatttg gattgatcat tgtacgttag 120

agaaatgtta cgatgggctt attgatgcgg tgaatggatc cacggatata acgatttcga 180

atagttacat gttgaatcat aatgaagtca tgcttttggg ccatagtgat gagtattccg 240

gtgatcggga tatgcgagtt acgatcgcgt ttaactattt tggtgaagga cttgtccaaa 300

gaatgccaag gtgtaggcat ggatattttc acatagtgaa taacatttat agagactgga 360

agatgtgtgc tattggtgga agtgctaatc caacgatctt tagcnaagga aa 412

<210> 6573
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-A3

<400> 6573

cgcnggaatt cccaggtcga cccacgcgtc cgaaaaaaat gaaatgatat tttcagttgt 60

acgctcttct cttccttata tcttccgctt cacttcacac caaaatcacc acctctcaca 120

aaccctagtt cctcctctct ctcatttctc ggagatattc accagagcaa taaccatgga 180

cgctaaagaa acctctgcca ccgatttgaa aagaccgaga gaagaggatg ataacggcgg 240

cgccgctacc atggagacgg agaacggaga tcagaanaag gaacctgctt gtttctccac 300

tgttattcct gggtggttct ctgaaatgag tcntatgtgg ccaggagagg cacactcatt 360

ganggttgag aaagttttgt ttcaagggaa atcagattat canggatggt tattgttttc 420

cagtctgcaa canntgcgaa aantttgggg tttgggntgg agnagtccca anctacgggg 480

gagagatnaa tgtgcc 496

<210> 6574
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-132-Q1-E1-A5

<400> 6574

acgcgtccga ataaccatgt gtgctccgca gccctccaac gagtttccgc tgatttttcg 60

caaggatggt aagacatgtg tgttttggga tgtggaggat tacccaatcc cagctgatct 120

ccatcctcgt tcgatccggc ggagaatcgt aaaggatgtg aagaaatatg gttgtgatgc 180

ggaggtgtcg attcatgctt atgctaatga taatacggtc tcggtaacaa tgaggcgtca 240

attttcggct gctggaatca aattggaagt gttcacccaa gcaggggata aatatgcgag 300

acattgttcc ttgtatggtg acattatgct gtggtcactg gaaaatcctc caccatcaaa 360

tattattgtc atcgcaaaaa taatcgatga cgacttggct gatcgtattg ggatgtttga 420

ctaacgtctg gtcataaggg cttcccaaat cccaagttaa gccaaaatgg gtaaaacg 478

<210> 6575
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-F3

<400> 6575

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntctctg tcttgcttct tctttaccct 120

tttcttgttt ccaatcaaat cctctaaagt ttcgttcttt gttctaagtt ttctgaagga 180

gtgatatttg tttgtggtgt ggttagagaa atgaatcgga gacagcaagt gaaacgtaga 240

gtaggtaaat atgaagttgg cagaacaatt ggagaacgaa cgtttgcnaa agttaagttt 300

gctaganact cctgaaactg gagancctgt tgctctcang aatcttgata aaagaganag 360

ntcctcaagc atnaagaggg ctgaacagat taggnangag ngatcgncna ccaggaagtt 420

gntagaacat 430

<210> 6576
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-B5

<400> 6576

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caacacaaat cacacaaaag atcaaattga agcctaagaa gaangcaaaa agtgagaagc 120

aatggctacc atgttgaagg tctctcttgt attgtcattg ttaggttttc tggtgatcgc 180

tgtcgtgact ccatcggcgg cgaacccatt caggaagagc gtagttctcg gagggaagtc 240

aggcgttcca aacattcgga ccaacaggga aattcaacaa cttggaangt actgcgtgga 300

ncaattcant caacaagcac agaacgagca aggaannata ngatccattg cgaanacaga 360

cacggcaaat ttcgaatcca ttgcaattta ccgangtagt gtcctgcctc agaaacaggt 420

cctcgctgga ctcanantac gtanctaaan ggattgaagg tcactcancc c 471

<210> 6577
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-B8

<400> 6577

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agaagttcac tatgtaactt aatgatgcca agcaaagtta acttccctag acaaagaact 120

caaactctaa aggttagcca gaagaaactc aagagagcta ctagtggtgg tcttggtgtt 180

acatgcagtg gtggtgataa gattctcgta gcgaatcgag gtgaaattgc agttcgtgtt 240

atcagaactg cncatgaaat ggggattcct tgtgttgctg tgtattctac tatagataaa 300

gatgctcttc atgttaaatt agctgatgaa gctgtttgta ttggngaagc tcctaagtan 360

ccagtcgtat ttggtgattc cganngttcn gtctccggct attatccgtg gatgttca 418

<210> 6578
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-C11

<400> 6578

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ggcggaggaa aaaaaaacga agaggaagag gagagatgga gtcgcagaag aagatagctc 120

atgagatcgg aggtatgaag aacgatgctc ttcgctttgg tcttcacggc gttaagagcg 180

atatccttag atctcatcct ctcgaaacgg cttacgaatc tgggaagcaa tcacaagaag 240

aaatgaagag gagagtgatc acgcatactt atggagctgc tcttcctttg aagatggatc 300

ttgatagaca aatcctttct cggtttcaga gacctcctgg accaattcct tcatcaatgc 360

ttggccttga agtctacaca ggagctctag ataattttgg ttttgaggga ttactttgaa 420

tgattctcgc caatccn 437

<210> 6579
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-C9

<400> 6579

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tccgcgcatt tcaagttgtt caacttcttc gtcgtcgtct tcttcctttg ctccgtcgtc 120

gagatctcgt cgaacctcaa atctcaaatc tcctgtaacc agatcgtcta attatccgat 180

ctgcgtttcg aatctcagat cgaagatgcc ggtggctgct tccgccatct attttctgaa 240

tctccgtggc gatgtactca taaatcgcac ctaccgagat gacgtcgggg gaaacatggt 300

ggatgcattt cgtacgcata taatgcagac gaaagagtta gggaattgtc ctgtgcgtca 360

gattgggtgg ctgctccttt gtttatatgc gaatcagcaa tgtctacatc gtcattgttg 420

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tc 482

<210> 6580
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-D12

<400> 6580

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ggttttcctg tcattgctgg ctttagatat cgctagtcac tggctgcaaa tgtacagtac 180

cttcctatca gggaagacca gccataagga tgtgaaagat agcacgagct gggctcttta 240

nactctatta tggaaaccgg atgttcatgg gttattgctg tgtttcctgc gaggttcttt 300

atataatcct tcttctcata gcaacgaacc anaccgaaaa cttgatgaac gtggtagtga 360

aatcattggn tgcagatttc accgctctct ttactcttgg ctttgagcat atttggttgg 420

tccatcannng cagatcanca atntgattca natgaaaaac ggctgcanat gtttggtgtc 480

ctgttgggca aaa 493

<210> 6581
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-131-Q1-E1-D3

<400> 6581

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agccaaaggt cgatgttgtg actcttggnc catctgttcg tgagggagag caagttttcg 120

gtgttgtcca catctttgct tcattcaacn acactttcat tcatgttact gatttgtctg 180

gtcgtgaaac tcctgtccgt atcaccggtg gaatgancgt ganagctgat acagatgagt 240

cctcaccttа ngcagctatg cttgcancac aggatgttgc tcancgatgc antgaacttg 300

gtatcantgc catgcatgtg aagctccgtg ccacaaggtg gnanacagna catngacaac 360

nttggtcctg gangcacagt cngcccttag aagcccttgc tcgttccggg catnca 416

<210> 6582
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-D5

<400> 6582

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ttcgaccgct ttgaagctat aacacctgtt tgggctcctt actacaccat tcacaagatt 120

ttagctggtc tgattatttc tatggccgtg ttcgtaatgt gataaggaag tacagtgttg 180

aacgacattg gcaatcacta aacgaagaga ctggtggcat gaatgatgtt ctttatcagc 240

tatacagcat cactggagat tccaagtatt tgctgctcgc acatctcttt gacaagcctt 300

gctttctcgg agtcctcgca attcaggccg atgatattag tggattccac gctaatacac 360

atattcccat cgtcgttgga ttccancaac ggtatgaaat cactgggtga tctactccat 420

aaggaaatcc ccgatgttcc nttatggaca tttttaatgc ct 462

<210> 6583
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-D6

<400> 6583

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tggtcattgg tcatgttgat tctggaaaat cgaccacaac tggtcacttg atctataagc 120

ttggtggtat tgacangcgt gtcatcgana ggttcgagaa ggaggctgct gagatgaaca 180

agaggtcctt caagtacgca tgggtgttgg ncaaacttaa ggccgagcgt gagcgtggta 240

ttaccatcga tattgctcta tggaagttcn gagaccacca cgtactactn gcacagtcat 300

tgntncncca ggacatcgtg atttcatcaa gaacntgagt actggtacct cncaaggctg 360

attgggntgt ncntaacagt tgaggtcgac cactggg 397

<210> 6584
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-D7

<400> 6584

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agatggagag gtagagattg agttagactt aggtctatct ctaaatggaa gatttggtgt 180

tgacccactt gcgaaaacaa ggcttatgag gtctacgtcg gttcttgatt tggtggtcaa 240

cgataggtca gggctgagta ggacttgttc gttacccgtg gagacggagg aagagtggag 300

gaagaggaan gagttgcaga gtttgaggag gcttgaggct aanagaaaga gatcagagaa 360

gcagaggaaa cataaaagct tgtggtggtg aagagaaggt tgtggaagaa ggatctattg 420

gttcntctgg tagtggttcc tctggtttgt ctgaagttga t 461

<210> 6585
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-E4

<400> 6585

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ttccagtaaa ttcttgaatt tgggtttcag aatccgatgc gaatccgggg atgtttcgtc 120

gccattgcgg accaaggcgg tgtctttgtc gtcggagatg gaggattcgt cgtccttgaa 180

gaagagtttg atggagttag aagggaagaa gagtgagcct tacccaggag gaatgccgaa 240

gatgggtcca ttcacaggga gagatccgaa tgtgaagaaa cctgcttggt tgagacagaa 300

ggcaccacaa ggcgaaaggg ttcaaggagg tgaaagagtc nctttcncgt ctcaatctca 360

anactgtntg gtgaagaagc tcagtgtcct aatatcgggn aagtgtttgg aatggaagtn 420

ggtgaatggt gtagcaanct gcaaccaatc aagggntc 458

<210> 6586
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-E5

<400> 6586

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agaggagata gagagagaaa caaaagaaag cagcctacat cttgaaagcc atccagccca 120

taaggacaat gtgagagaag ccccccataa ctctagacct ttagttgagg gacctgggaa 180

agacaactca gaaagagagg gtggagagct acaagatgat ggtgctgttc ataaatctcg 240

aaatgttgat gtgggtgatg ccctaatcag ccaatcgcca aaagatttga aattgcttcg 300

agataaggtg aaggctaaac gagagaaagc taagaagttg ctangtgaaa agaacganga 360

aaaaggattt tgatggatga ggatgatttg attgaanaga gaactggaag atgtgcaact 420

agctgttgag gatga 435

<210> 6587
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-E6

<400> 6587

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ttaaccaaag cgataacccg taccaccggt tcagctatgg aggatttatt ggaggagagg 120

ctaactcgga ctgactctgt cgggaataaa cgagtcagag acgggttaga cctcgactcg 180

ccggacgtga agcggttaag agatgatttg ttcgatgact cggggcttga cccagtgagt 240

caagatcttg actcggtgat gaagagtttc gagaatgagt tatcgacaac gacggcggcg 300

ctaagctccg gtgaaactca gccggatctt ggataccttt tcgaagcttc tgatgacgag 360

ctgggtttgc caccgccgct tacgccaccg caaacgcttc ttcctccgtt cgtgtganga 420

aacggtgacg gaattggtac gaacctcgtc ggattcatca gangggtt 468

<210> 6588
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-F1

<400> 6588

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tccgagactc cggatgggat taaagaacta cgggaaaagg acttggtcag tgtccgtggt 120

gacggaaaag gcgagagaaa acctcatgag agaatttatg actacgatgt ttacaacgat 180

ttgggagatc cacgtaaaac agaacgagtt aggccagttc taggtgttcc agagacgcct 240

tacccaagac gctgcangac cggccggcct ctcgtttcaa aagatccacc gtgtgagagc 300

agaggaaagg agaaggaaga attttatgtt ccanganatg aagttttcga ggaaatcaag 360

agnagatacc ttcagagcag ggagatttaa aggctctctt ccacaatctt gtaccatcta 420

ttgcagcagc attgtcanac nttagacatt cccttcacat gcttctcc 468

<210> 6589
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-131-Q1-E1-F10

<400> 6589

ttcagtgtta taaaaaggcg aagtgaagct aatttagatg cttctgatca tcttgccagc 60

agcacaaaga agttaccaag actctaattc cgatctgtat agtattcctt attcagagat 120

atatcgacct ttcctcaaga aagcttctga attcttgcag aaagctgggg acttggtcag 180

ttcgccaagt ttgaagaagc tactgcacag caaagctgaa gccttccttt caaatgagta 240

ttatgaagtc agacatcgca tggatggact tggattcaaa gttagatatt accattggtc 300

catatgagac gtacgaggat gaaatctttg ggtataaggc tacatttgaa accttcatcg 360

gtattcgaga tgataaaagc cacaagctgg atctgaaact ctttggggac aatctaaagc 420

ta 422

<210> 6590
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-B4

<400> 6590

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taaaaccatc ggtaattatg ctgca gaaggctcag tcgattg 120

gtattctgat gttttatacc ttgattgcct t ga tatcttgagg aggtttcatc 180

gtgcaatatt ttcattgtga aggataatgt gatatctac t 240

cttgcctgga attacccgga agagtatcat cgaagtanct cgtagcc gtttcaggt 300

ggaggaacga aatgtgacaa gttgatgaat tggtagaagc agacgaggtt ttctgcacan 360

gaa cgccgt tgtttnaacc ccggttggaa gnatcanctt acaanaagcc aanaggtttt 420

ccta g 480

aaccctgcaa gtggggtctg a 501

<210>
<21
<
< Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G1

<400> 6591

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cggatgtggg aacttgtggc tgaggatcgt tgggttatct tcgctgcgtt ttccactctt 120

atagtagccg cgctttcaga gataactatt ccgcattttt taacagcttc gatcttctcg 180

gcacaaagtg gtgatatcgc tgtgtttcat cgaaatgtca agctcttggt tacgttatgt 240

gttacttcag gcatttgcag tggcatacga ggatgcttct ttgggattgc taacatgata 300

cttgtgaaac gaatgaggga aacactatac tccactcttc tcttccaagg atatatcatt 360

tttcgactct caaactgttg gtgacttaac aagcanactt ggctcagact gtcagcaagt 420

ctcgagggtc atcgggnaat gatcggacat gatanttcg 459

<210> 6592
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G2

<400> 6592

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gcatccgacc ggattttgga atcttcagtc actctaacta agaacttacg gagccgagaa 120

gaagaagata aggtgtcaag ctgtgcactg atccaggcta tggccaaggc atgccaagtt 180

tctgggacac ttgactctgg cttgaccgag tctgaggtgc cttatgagtc tgaaacccac 240

tttactgaag aacaagaact agagcagctt ataaatgggc acttgtgctg taanatttat 300

ccattttctg gggaagcaca cnggtctgat gaagacagan agattatact acctggctct 360

tttaacccat tacatgaagg tcatctcaag ctgttanaag ttgctatgag tgtttgtggg 420

ggcggctacc caatgttnta aatatcccga gtaaaatgcc gacaaggcag cgcttacact 480

tgcacagntt 490

<210> 6593
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G3

<400> 6593

ggattgggat cacaaagaga agcaaagcaa tcagatactt gaaagtctct ttagtgactt 60

aagtgtcaga agttttctct ctcttaactc tctcaaatct tttagagaga aaaaactttg 120

aatcttgttc atatcttttg ctaatccgat taacatcgga tctctttaga tttcgtttta 180

tgttttaagc tttctgacta tttttcagat ctatctcaaa cttcntgtcg gtttttcttc 240

tatactttgt ttcgatttgt agtttttttg taaagccttt tgcctgttct tcaaatcaac 300

acttctaggt tgttgaagtg tnaaatcatt gtggtttgat gggtctttgt tagctgtgta 360

cttgattctt ccgnccaant gttggtnnaa tnccncgctg cccatatggg attanattga 420

gcgattgntc acttt 435

<210> 6594
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G4

<400> 6594

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ctccgacgga gaggctgctc ccgtagaaga tgattacgag gacgaagaag atgaggaaaa 120

agctgaaatc agcaaacgtg agaaagccag acttaaagag atgcagaagt tgaagaagca 180

gaagattcaa gagatgctgg agtcgcagaa tgcttccatt gacgcggata tgaacaataa 240

gggaaaaggg agactgaagt atcttctgca gcaaactgag ttatttgccc actttgctaa 300

aagtgatgga tcttcttctc agaagaaggc agaaggaagg ggacgtcatg cttccaaant 360

aactgaagag gaggaagacg angagtatct aaanggaaga agangatggc ttaactggat 420

ctgggnaaca cacgggttac tcacacagnc 450

<210> 6595
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G6

<400> 6595

aaaaaaaaaa aatccaaatt caacactctc acacttcgat atctccgcct tcattctcct 60

cagagccaac tgtcctgaga tttcgatttc gatttctccg atctctcttc ctccgtcgcc 120

ggcgaaacca tgtctcagtc tattcaattc tccactcctt cacacactcc tcaccttctc 180

catctccctc actcacaatt caaccgtcct ctctcctcta tctccttccg tcgcttccct 240

ctaacaacca tcaaatacac ttccatcaga gcctcctcgt catcancncc ttcaccggat 300

ctcgattcan cggtcctcat catcatccnc gnaagtactt cgctcaccta acggtantgg 360

tgctgtgaag tcggangaga gat 383

<210> 6596
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G7

<400> 6596

acgcgtccgc ttcagcaaaa ctcgtctctc ttgcactcca aaaagcaacc atgtctgctt 60

ttgtcggcaa atacgcagat gagctgataa agacggctaa gtacattgcc acaccgggaa 120

agggcatttt ggcagcagac gagagcacgg gaactattgg gaaacgattc gccagcatca 180

atgttgagaa cattgagtcc aaccgccaag ctctccgtga gctcctcttc acgtcccctg 240

gcactttccc ttgcctctcc ggtgttatcc tcttcgagga aaccctctac cagaaaacca 300

cggatggcaa acccttcgtt gagctcctca tggaaaacgg agttatccct ggaatcaaag 360

tgggacaagg ggtgtggttg atctagcagg aaccaatggc gagaccacta ctcagggtct 420

agattcactt ggtgcacgtt ggcang 446

<210> 6597
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-G8

<400> 6597

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atgcttacgc tgttgacgca ttcagaaact gcaaacagtg tgctggaggt aaaattggaa 120

ttgcacacag tccagcttgg ttcgaaccac aagaccttga gcatgttgga ggttccattg 180

aacgtgtgct tgatttcatc ctaggatggc atttggctcc aacaacttat ggagattatc 240

cacaatcgat gaaggatcgt gtcggtcata gattgccaaa attcacagaa gctgagaaga 300

agttgctaaa gggttctaca gattacgtag gaatgaatta ctatacttca gtgtttgcaa 360

aaagaaatta gccctgatcc taagagtccg agttggacga ctgattctcc tgttgaattg 420

ggaataacaa gantngttgg atgggntaca aaaattggg 459

<210> 6598
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-H2

<400> 6598

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gttcaaatgt gtaatgatga taatggtgtt ggttgtctct tgtggtgaag ctgtttctgg 120

agctaagttc gatgagcttt atcggtcaag ctgggctatg gatcattgtg tcaacgaagg 180

cgaagtcaca aaactcaagc ttgacaatta ctctggagct gggtttgaat caagaagcaa 240

atacttgttt ggtaaagtct ctatccagat taagcttgtt gagggtgatt cagcaggaac 300

agtcactgct ttctacatgt cttcagatgg tccgaaccac aacgaattcg attttgagtt 360

cttanggaac actaccgggc gagccttaca tagtccagac caatatccta cgtgaacgga 420

gtttggnaac agagaacaan gactcaac 448

<210> 6599
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-A10

<400> 6599

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gctttaaaag aagcccttct gaggggactt aaagtagtca tagctacggg gaagtcccgc 120

ccaggtgcga tcagaatctt gaagacggct gatctaactg gatccgatgg cattatctca 180

gagtcctctc caggcgtttt cgttcaggga ttacttgtct atggtagaca agggaaagaa 240

gtgtatcgag gaaacttaga ccgagatgtc tgcagagaga cctgtcttta ttctttggag 300

catcgaattc ntctcattgc attcagccag gatcgctgct tgacattgtt tgaccaccct 360

cttgtcgact ctcttcacac aatctacaag tgagccaaag ggcgnnatta tntcaatcgg 420

gttggtcaac nggatagcct gaancctgac aat 453

<210> 6600
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-A11

<400> 6600

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acggtcattt gcgaatttcg aacaactctt tcaataaaag caacaaaaag atcgaaactt 120

tacagtcgta ggaaggaaaa aaatggtgag aaagcgaaga gttgtagtgg ggatcacacc 180

agatccatgt gagacannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnacacctct cagaggtata ttttgtctca aaacacgaca 300

agatatgaag attttcgaag agaaagagga ttgctttatc ctcgatttcg atcccaacga 360

ttcatttgat gcacgaaagc tctccgatag ccctgcatct gaatgtgacg acgacgtggc 420

gattgtccat gagaaagggc aagtggcttg tagggatttt ccacatccaa ggnatctcct 480

gccttgaaa 489

<210> 6601
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-A12

<400> 6601

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gtttgctctg ttttgctctc ttaacacaac acaaaaaatg tccatcgttg ttggccaagc 120

ttaccaacat cttcccaagc aagtaagcca aaatcctgac gtgggtggat ggagtttctt 180

gcaatatttc tctgagccaa aaggcattgt ccagaacaga gaagacgaca caaagaaaac 240

agcttatgtc tacccgatcg agaagcgttc cgtagctaaa ctgagccttg agatgtgcac 300

aagagagcct cgggaccgag aatgggaatt gatagtggag acgagatgtc cgttacttgc 360

gcnttgaagc aaccaatatt tcaaaagagt ccctcgtctt acnacgaaaa cctcaaaaag 420

gaaactaagc ttcatgaacc gttgngga 448

<210> 6602
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-A8

<400> 6602

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tcaaattcat ttatctccac aggagatgac tgtgtctctg ttggagatgg gatgaagaac 120

cttcttgtcg aaagagttac atgcggtccg ggacatggaa tcagtattgg aagtcttgga 180

aggtacagcc acgaggaaaa cgttagtggc atcaagatca tcaactgcac tctccaagag 240

actgacaatg gtctaaggat caagacatgg ncttctgctg cttgtaccac aaccgcctcc 300

gatatccatt tcgagaacat cctcctcaag aacgtcagca accccatcct catcgancaa 360

gagtactgcc catggaacca atgcancaaa gcagnnanca tcaacgatca aagttgggca 420

acagttagct tcangnagat taagaggaac atnaaggaaa caga 464

<210> 6603
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-A9

<400> 6603

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tcctgtcatg tctgattgcg aaatcgcttt tttcttcttc ctgagttcct ttttttctcc 120

gatgaaattt taaccgtgat gatgatgatc ataatgaaac agatatgagc aagaaaaatc 180

tagcgattct gttgcgtgct agaatgagat ccaacaatcc ctccaaattt tccctctctc 240

aatttcctaa ggaaattcaa tctaatcctc aagagaatca ttctagagat cacattgtgc 300

aaaattctaa tgattttggt accactggaa gggtttatga tgttgttcga gaagacaatg 360

cactcagcna tctcagctnn taaaactggg ngtagtagac attactcctt aatgattttc 420

aagnangggt tacttaaccc tttc 444

<210> 6604
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-131-Q1-E1-B10

<400> 6604

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tgaatgtatg gcaaaagatc ttgagggacc tcaaacccaa agaggaagaa aagaaaatca 120

tggagatgac acaagataca ctccaaggtg aactaattcg attgttggaa acgtctaagt 180

cattaattgt cctcgatgac atatgggaaa aagaagattg ggaactaatc aagccaatat 240

ttccaccgac caaaggttgg aaagtgttgc ttacttctcg aaatgagagt gtccccatgc 300

gtagnaaata catcatatat caactttaac ccagaatgcc taaccactga aagacagttg 360

ggcacntttt cagaggatng cacttccnat gaaaagatgc aagnctgaaa tttaaga 417

<210> 6605
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-F9

<400> 6605

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tattacccta aaggcctttg tcttggcatc ctcgtcctct tcagcaggaa ctcatctgtc 120

ttggaagaat tattaccatg tctgcttttg tcagcaaata cgaagatgag ctgatcaaga 180

cggccaagta cattgcaacg ccgggaaggg gcattttggc ggcagatgag agcacagaaa 240

ccattgggaa acgattcgcc ggaatcaatg ttgagaacac tgagtccaac cgccaagctt 300

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tcgaggaa 368

<210> 6606
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-F7

<400> 6606

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ccgaacataa atggctcagc aagtactcgg ctgcacgagc cgccccatcc gcgtttctct 120

tcaccggtgt tctgttatta ccaccagtga cactatcaga aggaagaatc tccgattcgt 180

tagaaacccg agattgtcgt tttctcttca atcttcaact agaaattatc gtctgccttc 240

gattaattgc tcgacggtga atggagcagt aacggaaact gcggaatatt acgaaggaga 300

aggagataac gtttcacttg ctgagaaaat ccgggcaatg tattgatttc ctccggacga 360

ttttaccaag gtgggaagct ggtggagttt ctccgatgaa gttgatggta ngttcattgc 420

taaacctgtg actgttt 437

<210> 6607
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-F9

<400> 6607

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gtcctttaac cccggagcct ttaccaaact tccgtcaccg ttctcacgac aatgacgtcg 120

tgaagatgta tccagagata gacgcagcga cgatggagga agccattgct atggacttag 180

agaaagaatt atgttttaac aatcatggag acaagtttgt tgagtttttc gtctcaaaga 240

agttaaccga ttataggttc catgcgtttc aatggctaat ccagactcgg agtcggctaa 300

atctttcata tgaaacggta ttttccgccg ctaattgttt tgatcggttc gtcnacatga 360

cttgctgtga cgaatggcga attggatgg 389

<210> 6608
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-G1

<400> 6608

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tcagatttac ttagacatcc acatcttcag ccttatgttc tggatgtcaa gcttaggctc 120

aataatctta gacgcaaaac attaccgcct gagttgccga gttccaagag gattatgaan 180

aaagctcatt tttctgaacc agctgtcact tgtccagcct ttggagaacg acaacatagg 240

gtctctctgg aatgacagag ctctgaatcc annaagctga ggaagacact gcatcttcta 300

ntnaatgtat tagtcgcang aatttcagat ttatcngatt gagaagcaac agtaanagga 360

acattgagtn ngtaaagcaa atttccttca aggtgcaatg taangggtcc tca 413

<210> 6609
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-G10

<400> 6609

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agcagcttct gtcaaggcat ctacaaagaa gaaggaatct ggaaagtcct cagttttgat 120

tgatatcaaa ccgtgggatg atnagactga catgaagaag cttgaggaag ctgtgaagtc 180

cattcagatg gaaggtttgt tttggggagc atcaaagctt gtcccagttg gttatggtat 240

caagaanttg cagattttgt gcaccattgt tgacgacctt gtctctantg acancatgat 300

cnaacgagca nctcacngtt gaacccgatc aatgaatatg tcnaannctg tgacattggt 360

tgccntcaac aagatatgaa ggatggngaa aagcttcaag gaatgtnctg t 411

<210> 6610
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-G2

<400> 6610

cgacgatatc gagatcgatc caaccaactc tgcagctaac atctctaagg tttgattttc 60

cgatgatgag ggtgatggag cctccgccta tcgaggaggc agctttggcc ccagtatcgg 120

tcttctggga cataaaatcg tttccggttc ccgatggcta tgatgctcga ctggtgggtc 180

cgtgtatcaa acggaatttg aggaagttag gctacacagg tcctatcacc atcactgccg 240

ttggcgtact atcagaggtc cctcgtgaca tccttaaagc agtgtattcc actgggaatc 300

tctcttaagg aggtcattaa aagtccgaca aacatgtatg ctcttttcct tgagtcctct 360

cttcttcgta ctccacctcc agctaatatg atggtcatat ccccgtccaa catcctaaat 420

tcc 423

<210> 6611
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-G5

<400> 6611

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tgaggcaaag ctgcgtgctg ttgatgcaaa acttgctgaa gttagtagaa agagttcaga 120

tgtggagagg aaggcaaagg aagtggaagc tcgggaaagt tctcttcaaa gggagcggtt 180

ttcctacatt gctgaacgag aagcagacga ggcaactttg tcaaagcaga gggaggactt 240

gcgtgaatgg gaaagaaagt tgcaagaagg agaagaaaga gttgctaaat ctcaaatgat 300

tgtaaaacag agagaagata gggcaaatga aagcgataag attatcaagc aaaagggaaa 360

agaactggaa gaggcacaaa agaagattga tgctgctaac ctcgctgttg aagaaactaa 420

gaagacgatg ntcagtt 437

<210> 6612
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-G7

<400> 6612

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agcagagtgg tgagtactat gcaaaagagg gcgtattttc agagacaatg gccgttggtc 120

gatgtcgtaa gagcgtcagt cgttgtgatt gtgcacnttt tgtgtctctt ggcgccgttt 180

aacttcaaat gggaagcttt acggttcggt ttggtgctct tcgcgttgac tacactcagc 240

atcacattct cattccatag gaacttgtct caccgtagct tcaagatacc aaaatggctc 300

gaatatcctt gggcttattc tgctgttttc gctcttcagg gtgatccaat gggattgggt 360

gagcatacan aaggttccat caccagttca cagattcgga ccgcgaccca catagcccta 420

angaaggatt att 433

<210> 6613
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-G8

<400> 6613

tatcccacag gactacaggc acatggaagg cgctggggtc aacacttaca tgctaatcaa 60

caaagctgga aaagctcact atgtgaaatt ccactggaag ccgacttgtg ggatcaaatg 120

cctgtcggat gaggaagcta tcagagttgg aggagccaat cacagccatg ccaccaaaga 180

tctctatgac tcgatcgcag ccgggaacta tccgcagtgg aatctcttcg ttcaggtgat 240

ggatcctgcc catgaagaca aatttgactt cgatccgctt gatgtcacaa agatctggcc 300

tgaagatatc ttgcctttac aacctgttgg tcgcttggtc ttgaacaaaa acatcgacaa 360

cttctttaat gagaacgann cagattgcat tctgtcctgc tcntggtg 408

<210> 6614
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-H1

<400> 6614

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gtttcagcaa tttccagcag ctacccagga aaagctgatt gaattcttcg gaaaattgaa 120

gcaaaaggat atgaactcaa tgacagttct tgttctgggt aaaggcggtg tcggaaaatc 180

atccactgtc aattctctta tcggcgaaca agtcgtccgt gtcagtcctt tccaagctga 240

aggattgaga ccaagtgatg gtttcaaaga acaatgggag ggttcactan caacattatt 300

gacancccctg ggacttgtgg gnagctgggg tatgtcantc ancaagctct cgagttaatc 360

aaanggtttc ttgtgaaaca nncacaatag atgtcntgcc tcnnatgttg atcgtttggg 420

anggtgt 427

<210> 6615
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-H2

<400> 6615

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agagttgaat attgaggttc ctactgagat tcagtgtatc ggaatacctg cggttatgga 120

acgtaagagc gttgtattgg gttcgcatac cgggttctgg caagactctt gcttacttgt 180

tgcctattgt tcagctgatg agagaagatg aagcaaacct tggtaaaaaa acaaagccta 240

gacgtcccag gactgttgtt ctttgtccta caagagaact atctgagcag gtttaccgtg 300

tggcgaagtc cataagtcat cacgcgaggt ttagatctat attggntagt ggtggttctc 360

ggataaagac cccaaggagg attctttgaa caatgcaata gatatggttg ttgggaaccc 420

ctggtaggat tcttcagcat atcgaagaag ggaaacatgg tgtatgggag atatc 475

<210> 6616
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-H3

<400> 6616

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acacggagga aacaagaggc ttatttcagt tcagacgaat cagatcagga agcttgtgaa 120

tcatttgggt tactcttttt tcctctctag gctctttgat gttgaggttc gagctgagat 180

tggttctgat gaggttattg aggaaagtca gagccttgcc tangagcgat tcatttgcac 240

tctggggact gatgctccac tgaatgtgac attcataaga gcgcctccag gtgctttgtt 300

gaaagttgat atccctcttg tgttcattgg agatgatgtt tctcctggat tgaagaangg 360

agcatctctg antacgatta acag 384

<210> 6617
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-H5

<400> 6617

agagagaaga agaagcacct ctcatggcga accagcttct tcaccatctt ccgattcctt 60

ttcctctcca ccgtcacttc tacctcctaa acgccgccgt tttatagctt ctcctcccga 120

aaatgctaaa cccacattcc tcaaatctct caccgacgct tttttagatt cttgtagagg 180

aagagaatat ttttaaggag gttgttttcg atggagcatt acgaggttct tgagcaaatt 240

gggaaaggtt cttttgggtc angctcttct tgtgaggcat aaacatgaga agaanctttа 300

tgttttgaag gaaaattcgg ttagctangc agactggtag aacantgaag gtctgctcat 360

cangagatgg nattgntcgc aanngataag gaatccattt attgtgggaa tagcnaagat 420

tcctgg 426

<210> 6618
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-A8

<400> 6618

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gatgaagatc tcaaaggaag tgaangaaaa cccggttcta tgangtcnga ctttattaaa 120

agcttacaag tcatatctgc agaagttgat tatatttgaa aagcagtcag tatataacca 180

anttgccaat cggtgccttt gtacattgct ggaagcagtt cctcacttca actaccgtga 240

taacctgtta attgctgttg tcagaaatat cagctcccca gatgaagtcg taaaggagac 300

ncngttgctc cnactatcag gtatcttttc tcaaatgaag gggaaacatg gttggttgag 360

nctgaccgtt gcaagctgta cggcctgant tgcctgatca tgtcnaagct canaaactgg 420

ccaaacttc 429

<210> 6619
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-B5

<400> 6619

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taatttcntc ttcttcntcc ttttcttact aaattctctt agggttttag tcatacttaa 120

tggcttccaa ttcggagaaa aatcctcttc tttcagatga ggaaacccaa atcgacggag 180

gagaataaga gttctaagcc ggaatcagct tctgggaatt caacttcatc aagctatgcc 240

tggcttgaat ttcaatgctt ttganttctc taaanaaggg ctaagnattc tcaanngatc 300

ctagcatcag aggaaatngc ngagcaaata ngctnaagat ctgncgntta aacaaatggg 360

ctgaggcanc ttcangagat ctatccnnac ncctggncaa gaaaaggtgg gttcccctaa 420

ctttgattcc nc 432

<210> 6620
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-B6

<400> 6620

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gagaagtggg aatttgcgat gcacatttca agtctcaggt ttcttgtggg attcagagag 120

atgataatgg acgccgtgtt tggcggagga gaacattgac gangaaggac gatatgttgc 180

gttacaaaat gcaaagagtt ccatttgtgg nagaacaagt aaggaagata agagaanttg 240

ggaaggtaat gacaatggac ataggagcag nttcttttga gggaagacaa tcgggtttga 300

atttgtcaat agcgtagcaa gctgaagcaa cagagtacgt ggacaagaac anagacgaat 360

atgggaggtt ccaaaaaaag ccatctttca tgttctaaag caacccgtnt ngaacgatct 420

cnggctttga atcgccctgg 440

<210> 6621
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-F6

<400> 6621

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acggttcatt ggctcgtgcc ggtaaggtga gaggtcagac acctaaagtg gctaagcagg 120

acaagaagaa gaagcctcgt ggtcgtgctc ataagcgtct gcaacacaac cgccgtttcg 180

tcaccgccgt tgttggtttt ggcaagaaga gaggaccaaa ctcatcagag aagtagatag 240

aagaaggttt tacccttttc agattttatg ggatgttttt gatattgtgt cattagttgg 300

tccaaactca tcgatatcaa agtggtttaa ccttggttat ctacaaatca gtggatgttg 360

tgtcaatttt cttgtcaatt tgatttttgt ttctcctcag attaaactta aagttctg 418

<210> 6622
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-C7

<400> 6622

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aatttggcaa atcacaaaca catgagatnc caatctcttc ctcttccgat tcaagccctc 120

ctcatcacta ccaacctctc cctaaaccaa ctgtttctca aggtcaancc agtaatcnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 240

gttcacanga tcggtccant cctaaaccga ccaatgatcg atctctcagc tctctacgac 300

ctccacnnca gaactcggcc gtggccaaat tcggaatcac ttacaaatgc atgggncaaa 360

tccaacggtc gagaatacgc ctgcaanatc ccatctcag 399

<210> 6623
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-C9

<400> 6623

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tagtacattg atctaatggc gtcgaattcg gaagcgggag gatcggcgga ttacgaaaca 120

ttgatgtcga catcggacgt tgagctattg aagagggcgt ggcgtaacga gaaggcggcg 180

ccggagattc ttcagtacga aggagctctt gtcgatagag ccaaagaaca gatcgaatta 240

gtggaagaaa caattgaaga ttatgtggaa aatggcatag atcctctggt ggtgtctcta 300

tatcagatgg atttggacag agcccagttt ctactcagat catatctcag agttaggctt 360

ctcaagatag agaagtttat gttccacaac ctcaactcaa gaagaagctg aaaggcgact 420

ttctgagcaa gaaaaagtgt 440

<210> 6624

<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-D1

<400> 6624

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gcgtccgaaa taattgagtt ttttttttaa ttagaaacaa atggggttga gtggtgttct 120

tcatgtggag gttgaggtta agtctccggc tgaaaagttc tgggtagccc ttggccgacg 180

gcatcaatct cttccccaaa gctttcccta acgactacaa aaccatccaa gttctagccg 240

gcnatggcaa cgctcctggc tccattcncc tcattactta tggagaagga tctccactgg 300

tgaagatatc ggcngagang atcgaagcag tggatttggg agaacaaaag catgtcgtnc 360

agcatcattg gcggagaaat gttgggagta ctacaaaanc ttcaaaggaa ccatcaccgt 420

tatccctaag gatggtggta ncttctgaaa tggtctggtg agtttgaaaa aaccgcccat 480

gagattta 488

<210> 6625
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-D10

<400> 6625

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acataatccc gtagttgaga actctatcca acctcaactg gttccacaga ttgcagttga 120

aaagccaaat ggtagtttag aagaatctgt gaatgccttt gatgaagaga aagaagatga 180

agtggctgag acagtggtgc aacaacctga agagttgata caaactcata caccattggg 240

gaccaatgaa tctcttgatt ccacattggt caaccaaatc gaagagagtg aagaaaatgt 300

aatggccgag gaaaaggagg atgtaaaaga agagaggact cccaaacaaa accataagga 360

gaattcagct ggggaaggag aatcanaant ccgggaaaaa ggctcntcgg ttact 415

<210> 6626

<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-D2

<400> 6626

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tcagaatcta atggacccag naagcctaac agctttccac atcctttaat ccaanaaatt 120

gattcagaac ttccatttgt gcagcctgcg cttcaactga cacacagaat atttggttct 180

tgccctccaa tgcaaanttt tgacccanca aagttgctca cggactctgg gaagctgcag 240

anacttgata tattattgaa gcggcttcga nctggaaatc acagggtgcg cctgtttgca 300

cagatgacaa aggatgctga acattctcca ggattatatg anctatagaa agtacaagta 360

nctcaggctt gatggatcct ccaccatcat ggntcgccga natatggtna gggattttca 420

gcatatgagc ganatttttg taggcctgct gaacancac 459

<210> 6627
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-D5

<400> 6627

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agccgtgacg gtgtgccagt gtctgtcctt gtcttattat cactgccgca gttcctattc 120

gtgcccgcca actgttcgtc aaattgcctg aaccaattct tccgacaatc ctaaaagttt 180

ggattttggt gattctaaaa actagggttt tattcaaatt actcaagaat ggctactact 240

gcgaatggaa actctaagaa aagagatggt gggtctatcg tcgcttgccc ctcgcaaaat 300

caacgtgcag aaaattctca gaggctcgaa gcaccaagaa gctcgaatct cttcactcca 360

ttgtgtctga gcgtttgaac aaggactttc gatcaaagag gaataagagg agaaggacca 420

attcttacaa taatcaacct 440

<210> 6628

<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E1

<400> 6628

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atacaacacg aggtcctttt caaaaccctg attccatctc cgcttattac caaactcacg 120

cggngcatca cggtgtcatt acangcgact ggctagccca agctcaagcc gccgttggcg 180

gngtctcang cgangcccag catgacttat ccgtaactga tctcgggaac gagaagtcgt 240

ttaatgtaat tgnngagttc agtaattgga ggaanacaac cggatctggc tgaagccgtc 300

gcggctatac gagctttggc tgctgttatt cgtgcgagcg aancgagcac catgatggag 360

cttgaaattg agctcaaaaa ggcttctgat acactcaagt cgtgggacaa aacgtcgat 419

<210> 6629
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E10

<400> 6629

acgcgtccgc ccacgcgtcc gaaacataaa aaatattaaa caaaaagaac aaaaaaaatg 60

gcaaaacttt cattagcatt aggtctattg ctactattag cattaantga ggtctacgaa 120

gtgcaagggt cgttcttatt gaggcattac atgaggaaat ttcccagaag gtccagagac 180

tttcggccat tcgcttgcag aggtatgttg aagttcgtgg acgttttgga gcttaagtgt 240

ccattaaagc cacaatacaa gagcttcttc ggaaacctaa ggtcttacat gaacttcata 300

aactcggcat ccgggtcgaa aaactttgat gccgagctaa aagggaaagc ccagggcctc 360

ttctcagcna ggtctgcaat nagtgggcaa naggcgccgc aatcggctga nttcctagca 420

naggttantg gatacgattg cct 443

<210> 6630
<211> 479
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E3

<400> 6630

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aaaaaatcaa aaattcgccg agagcacaaa ccctaatggc ttctctctca atggcttccg 120

ttaacgttag cttctgtcat cctttacgct cttcttctcc aaaggtctca cttcgcagtt 180

ccgttcattt cgcgacgagt ctttcctcaa gtcactccat ttctgggctt cgcgctgttt 240

tgcctctgaa gatttctaca gttgcttccc ccaattctca aaagcttcat tcttttaccg 300

ttttcgctca taagggctac aagatgaaga cccacaaggc ctcagcgaag cggttcaaga 360

gtgacgggta gagggaagat tgtgaggagg agatctggaa agcagcattt gttagctaag 420

aagaacaaca agaggaaatt acgtctatcg aaaatgacgg aagtgaaccg gagcgacta 479

<210> 6631
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E6

<400> 6631

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tgctgtgaat ggatcatttc ctgcgctttt ggcttttgga gattcaattc tcgatactgg 180

caacaacaat tttctcctga cttttatgaa aggaaatatc tggccatatg gaaggagttt 240

cagcatgaga agggcgacag gaagatttgg aaatgggaag agttttctct gatataagtt 300

gctgaaggtt tagggatcaa gaagatttta ccagcttatc gtaagttgtt caattctcca 360

agtgacctta gaactggtgt ttgcttcgca tcangtgggt gcaggagttg accctgttac 420

<210> 6632
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E8

<400> 6632

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ggaagaagat cattcagttg aagcanacat ttanagggtt ttgttgagag gcaatggaag 120

ggggagaaga gtttcaagaa gaagaagtgt ggtcagtttt gagagaaagt gaaactcaag 180

gtcctgaaat gaaaatgtcc aaaagtaaca atctcttctc agcctcttcc tcatcttctg 240

cgaggtacat tcctaaaggc aacgaggtct ctggaggggc aaaacagtca tctgctccaa 300

tgaatattcc tgactggtcc aaggtttatg ggtattcaaa gaanaacaca ngcagccact 360

tgcattcatg ggccattgac gatgatgatg aaggctcaat gggttcctcc aca 413

<210> 6633
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-E9

<400> 6633

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ggaggaaccc acataacaaa cacccgcgaa gccaaagcat ttgctcttct atcggaggag 120

ggaattgcta aaggtattcg tagggtaact gctgtgacta ctgaatgtgc ttttgatgca 180

ttgaatgcgg cgtccttact tgaaagagaa gtagaggatg cctccagagc ggagggaagt 240

gcattggaaa agaaagtttc tgctttgaaa agccgagtag atgcagcaat tatcccagca 300

gctaaaaagg cagatattag gactaagatt gcttcgcttc agaatgaagt aagaaaagct 360

cagaagaaaa tagcggaaca aaacctgaaa aaatctgtca aattagcaac agaggcagct 420

gagtccgcag catcagatgg gaagactttc tgcataatcc aactgggatg ttgggtccnt 480

gatgca 486

<210> 6634
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-F10

<400> 6634

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atgattacta gtgacaagac aatcgatgct cgtggcgcta acgtgcacat cgcatatggt 120

gctggtatca cgatgcagta cgtgcacaat atcatcatcc atgggcttca cgtccaccac 180

atcgtgaaaa gcagtggtgg tttgataaga gattcgatta accactttgg gcatagagga 240

gaggctgatg gagatggtat ctctatcttt ggggcaacaa acatttggct tgaccacatt 300

tctatgtcta aatgccaaga tggacttatc gacgctataa tgggttccac cgcaatcacc 360

atctctaact ctcatttcac ccaccacaac gatgtgatgt tgcttgggtg cacaaaacan 420

caacatggat gacaagaaag atgcaagtca cagtggctta caaccatttc ggaaaaggac 480

<210> 6635
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-F4

<400> 6635

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cggcctagta agtcatggta actccaagac acggcgcgta tacgaaacag ctcgatctct 120

gcataccggt gctgtgaaag atcttctctc tctcggggtc tgtgagagat gtattttccg 180

attggtatcc gtcgaggctt ttgattccga tatttcatca gtctcgactt caactctgcg 240

cagctggctc aaatccggtg atgatgaaac tagtgcatcg gaatctagct gttccacaat 300

ctgcattgtt tgtttaggta tattgcagtt cgtttttttcc gatgtcaaaa aagagctggt 360

gaaatcggat tctagtagtg attacgttgc aagggataac ggacttggtg aagcangatc 420

tcatgagttc gaatagcttt 440

<210> 6636
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-C6

<400> 6636

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tggaaagcca cgaatccaac actctctcct tcacacctcc aagacttgcc tggtttcaca 180

cgaagtgtat acaaacgaga tcatgcgtta ataacaccgg aaagtcatgt atacagccct 240

ttacctgact ggacaaacac attaggggcg tatttgatca caccggcaac gggttcccat 300

tttgtcatgt acttggcgaa aatgaaagaa atgtcaagtt caggtttgcc tccacaagac 360

atagagcgtc ttatattcgt ggtcgagggt gctgtgacac tcactaacac atccaagtt 419

<210> 6637
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-A5

<400> 6637

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cgccggcgat ggtattgaag caatcgctaa tcgtctgagc aaatggattg tagcagctct 120

gtttggatcc gttctgcttc tacgacatga tggtgcagct ttgtgggctg tgattggatc 180

ggtttcaaat tccgtgctct cagtagcttt gaaacgtata cttaaccaag agagacctgt 240

tgctactctc cgttctgatc ctgggatgcc ttcttctcat gcccaatcca tttctttcat 300

ctctgtgttt tctgtcttct ccgttatgga gtggcttgga accaatgtac tcccgcctgt 360

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anaaagcctt 430

<210> 6638
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-A6

<400> 6638

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aacagagtaa ggctcacttt gttttagctt tctcctctac ttcgataatg ccgtttgctc 120

cttccttgtt gtcatcgtct tcctcagtct ctcaatttct tcccagattc cccaacgcga 180

ctagattcaa tgtaactcca cggagcagag ccgccaccgt cgtcgcggca tccgtcaccg 240

acctagccgg ggtcgacagt acaacaatcg ccgtactcgg tggaggatcc gtagcagcac 300

tcgcggcgat ggtttcctta acggatccgg agaggaggcg gaaattgcag gcggaggaag 360

ttggcggagg cgataaggag gttgtgaggg agtatttcaa tagcacgggg ntcgagaagt 420

ggaaggaaga tnt 433

<210> 6639
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-A8

<400> 6639

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caccaccgtc gtcgtctctc tgtatctctc cggcgggttc tctctctact tcccccggag 120

gattaaaaga tggaccagtc ttttattttg atattccgtt agcttgttca gttattgtag 180

aagctgtacc gtcaagactt ttaatatctc aaatggatga tggtgggcat cgtgagaatg 240

gtcggcataa agcagcagtt cagggccagt ggttgatgca gcatcagccg tcgatgaaac 300

aagtgatgtc gataatagca gagcgcgatg cagcgattca ggagagaaat ctggcgatat 360

cangagaaaa aagcagcagt agctgaaagg gacatggcgt ttcttcagag ggacaccgcc 420

<210> 6640
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B11

<400> 6640

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gcggaacgtg gtgtcgaacg tggtggagat cgcggcgatt tcggacgtgg attcggtggt 120

cgcggcggtg gaagaggtgg tccgagaggt cgtggtcgcc gtgcaggtcg tgctccagag 180

gaggagaaat gggtgccagt gactaanctt ggtcgtctcg taaaggaagg taagatcaca 240

aagattgagc agatctacct ccattctctc ccagtcaagg agtaccaaga tcatagattt 300

actcgtcggt ccttcattga aagacnaagt gatgaaaatc atgccggttc aaaaacaaac 360

caggagccgg tcagagaacg angattcaag gccttnancg tcntccggng aatagtaaag 420

ggtc 424

<210> 6641
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B2

<400> 6641

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gggaaacttt gtcagatgat cttcgactgt tagatgaaga ttggggcaag agcgggggtt 180

ttgatgtgga cttctcnaaa ntgcgtcaca gatttggtcn cggagctgtt catctcgacn 240

acnacaatat ggttagcgag cctcatgaga ccaacagnga tttgctcaan aggttgtcca 300

acatggctat cnccttctac ancgacaaga cggggataaa antggaactt gtcaaggttt 360

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<210> 6642
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B3

<400> 6642

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gtcctacatt gggtggtcta ttgaacgcaa cgtgtggaaa cgcgactgaa ttgataatcg 120

cgattcttgc tttgaccaat aacaaagtcg cagtggtgaa atattcgctg ctaggttcga 180

ttttgtcgaa ccttttattg gttctaggga cttcactctt ctgtggagga atcgctaata 240

tccgaaggga acagcggttc gaccggaaac aagccgatgt gaacttcttc ttacttctac 300

tgggtttctt gtgtcacttg ctgccattgt tggtgggata cttgaaaaac ggagaggctt 360

cggctgctgt tttgtccgac atgcaactga gtatatcgcg aggcttcagt attgttatgt 420

tgatcagcta cattgcatat cttgttttcc aactgtggac tcaccgccaa tt 472

<210> 6643
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B4

<400> 6643

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gggtcttccc cagatcctcc tctctcttct tcactctttt aacggacact tttcactgat 120

ctattcactc actcaaatcg ccgccggagc taaatcaatc aacaatgacg tcgacctaca 180

cgagattcga taccgtattt ctcttttcta ggttcgccgg cgctaagtat tcgccgttat 240

tgccgtctcc gtcgtttact ttatctactt ccggcattca tatcagaacc aaaccgaatt 300

ctcgttttca ctcgattata gcatcctcct catcttcatc tgtagtcgcc ggaactgata 360

gcattgagat taaatcgttg ccgacgaagc ctattgaagg acaaaagact ggaactagcg 420

gactccggaa gaaggtgaaa gttttcatgg nnagataatt atttaagcca actgggnt 478

<210> 6644
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-B5

<400> 6644

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tctgtgttct tgagctcagt attgttgtta tatagaggag aatctggaat cacaagtagt 120

tttattcgat ctgaatggcc tgcggttgat ataccacttg atcatcatgt tttcaaagtc 180

ccaaaaggat ataatgcacc acaacaagta cacataactc aaggtgatta tgatggtaaa 240

gctgttatca tctcttgggt tacacctgat gaacctggtt ctagccaagt acattacggt 300

gcggttcagg ggaaatatga gtttgttgct caagggactt accataacta cacgttttac 360

aagtataagt ctggctttat tcatcactgc cttgtctctg accttgagca tgatacaaaa 420

tact 424

<210> 6645
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B6

<400> 6645

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acatcaacag ctcctggcaa gcttcgcgcc ggttaanctc agccaccgca accgcttttt 180

cancngattc ctcttcctca ttccgtcgga cacgtggtgc gcgtcagaga atcgcttcat 240

cgaaatcccc ggcgtcgtca ccgtctccng ttcggagacc atctgatgga ttcagtttcg 300

atgttcggtc accgtcatct gattcatcga tctcatcacg gaagtcacga cgaagggncc 360

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<210> 6646
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-B7

<400> 6646

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aatggactct actaccacac ctccttctct ccgttcgaat actagatccg ctttgcgtct 180

agctcgaaac aacaaaactc tcgtaaaatc tcacattcca tctctcgatt tggttttatt 240

gtctccgaag aacaacaacg gtactcctta cccatcacct gtttctctca gttcaccatc 300

ttctcctgtt actcttcgtg agattctcct tttatctcct tcccctcttc gtaaatcgag 360

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ggagtaagac gaaaggggn 439

<210> 6647
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-B8

<400> 6647

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gaagagaaaa ttggaggaag atgataatca gcagcagcag caacagcctg agcgtaaaag 180

gccagctctt gcaagtgtaa ttgtggaagc cttgaagatg gatagtttac agaggctttg 240

ttcttctttg gaaccgattc ttcgccgagt ggtaagtgaa gaggtggagc gggcattggc 300

aaagcttggc cctgcaagac ttagtgaaag gtcgtctcca aaacgaattg aaggtatcgg 360

tggaaggaat ttgcagctac aattcaggtc tagattgtct gttccttttgt tta 413

<210> 6648
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-C10

<400> 6648

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tcactcacgc tcggtcacga atcttccggc agagatatcg gagaactatc cctctttgga 120

aattaacaat canttcgaga tcttctgata catctaanaa ggnagaactc tctgtanaaa 180

tatcaattcc ncctcaagtt gatcaatcaa gacctgaagg tttgagattc gatcgtttac 240

aacctccgga gccagagttt ggtcatgaan atagatttga gtttggtaaa ttcgtagcta 300

gagaagctat gcttgatgaa agaatattgg actgcanctt ggcttcgtgc agaagagtca 360

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<210> 6649
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-C11

<400> 6649

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tagaagctaa gcctgctact gatcctcagt gttctaaaaa gccaattgaa aataacactg 120

aggagaagaa acttcctgat gttaatctct caaaggtggt taaaggacat actgacatat 180

cggctgcacc aagagtcgct tctactggac taagggatag tagaagtgta gagggataca 240

ttccaaacca tgtgggatat gagcctgttg tgcagagaaa gggtccagga ttcccttctt 300

ttactgaagg aggccattct actcagttgc ttcagaaata tggatctgat gataataaca 360

gtttccacaa tggtaaggat gcagatgacg ttttaagaga gtcgtctcct gggtttgatg 420

ttcntgtgga taatgag 437

<210> 6650
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-128-Q1-E1-C5

<400> 6650

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cctacatctg aaacatttag ctgctgctgc aaaagatgca gttgccgaag gtggttctgt 240

tcctggttgt agggctagat tatggcgcag aataagggag ttcaatgctt gtatcccgta 300

tacaggtgtg cccgctaata gtgaagtccc tgaggtgact ttgatggcat taattacaat 360

gctaccatca actccaaatc tccctgtaga cgcccctcct ttgccacctc cttcacccaa 420

agcagcaagc aactgtcatt ggctttgtta catgtttgcg taggttattg tcatccaaga 480

<210> 6651
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-A3

<400> 6651

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agtagagaaa tggcgggaat cgtgacagag ccgtggtcag tagctgagaa cggaaaccca 180

agcataacgg cgaaaggatc gagcagagaa ctaagacttg gaagaaccgc tcacaacatg 240

tcttcttctt ctttgaggaa aaaatcagac ctccgagtga ttcaagaagg ttccatacaa 300

aggtcttaaa gattttctct ctaatctcca agaagtcatt ctcggaacaa agcttgccat 360

tctttttccg gccattcctg ccgccattat ttgcacctat tgtggcgtca agtcagcctt 420

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ttttggcaga atan 494

<210> 6652
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-F1

<400> 6652

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ntgggaaaca cataaaagag agatttaata caaaaganag agaaaaaaga nagatatggc 120

aggactcatc aacaagatcn gagacgcact ccacattgga ggaggcaaca nggaangtga 180

gcacaagaag gaanaggaac acaagaaaca cgttgacgag cacaagagtg gtgagcacaa 240

agaangtatt gttgacaaga tcaaagacaa gatccacggt ggtgaaggta aaagccacga 300

cngagaaggc aaaagccacg acggtgagaa naaaaagaac aangacaaga aggagaagaa 360

acatcatgat gatggtcacc acagcagcag cagtgacagc gacagcgatt aaggtganga 420

actgaggang atcgcttgaa gtaaacangt ctggttctgg ctaatattaa ataatgttgc 480

cgnaaggtcc taccacctt 499

<210> 6653
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-126-Q1-E1-F12

<400> 6653

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agccaatgtt gctcagttag agtttaagtt aagccttctt aagccactgg gaatcacgtc 180

ttcagacctt gtgaagattc ttaactgtcg tcctaggttc tttagttgcc gtcttgtcct 240

tgatgaaagg atcaactact tcatggagat tttggggtca aaagaggtgt tgcgcagagt 300

cattatccgg aatccgtcac tcatgttgta tgacctcgat gacaagatca aacccgcgat 360

agaatactac aaagggttgg gctttagcca acaggatctt gtcgcaatgt tgatatcgcg 420

acccacgttg attccaagaa caaactttaa caatgagaag ttgaatacat tgaagaaaac 480

tggaagtcca caaga 495

<210> 6654
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-F3

<400> 6654

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ctgtaacact ttttttgtgg gtatctcccc taaaaagaaa actttatttt tgntcttagn 180

aaatctgctt ttaaatttta naaaaatggg aaantgtttg atgggatgaa acaacgttga 240

gaaaatggtt aaanaataag aagtantgaa taaagaatac angagataag atcgtaaagt 300

aaanatagtt ttgagaagag atgagttaga gaaactcatt ctttttcaag ctaaatgcca 360

atggtnacgt cgacgggcaa nggagaaaca acttnggctt cttttggtga ctttctaagg 420

gagttagaag ctgacagatt tgccggaaaa nccgg 455

<210> 6655
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-F5

<400> 6655

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gaaccaaaga taaatacata tgccaacttt agagatgatg tacttccccg tataaaaaag 180

ctaggctata atgctgtgca gataatggcc attcaagagc atgcctacta tgccagcttt 240

gggtatcatg tgacaaattt tttcgcacct agcagccgct ttggaacacc tgatgacctt 300

aaatctttga tagacaaagc tcatgagcta ggtctggttg ttctgatgga tattgtgcac 360

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aatatttcca ctccgggatt gcctgggtaa 450

<210> 6656
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-F8

<400> 6656

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gatggcttac attggaggct tcgttaatct aattactcta aatctttcag attgccagag 180

aatcaacagt tccacctct ggcctatcac aggattaaca agtttgacag agttggacct 240

ttcaagatgt ttcaaggtta cggatgctgg tatgaagcac ctccaatctg ttgtaaatct 300

gaaaaagttg tggatttcac agacaggtgt cactgaagtt ggaatttctc ttcttgcttc 360

acttaaaaaa ttgtctcttt tggatttggg cggcttacct gtaactgatc aagaacttga 420

tttctctcca ggcactgaca aagctagagt accttgacat ccgggggaaa caacgttacc 480

aancaaag 488

<210> 6657
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-G1

<400> 6657

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agaaaatctc cttcagcagt ctccgatatg ggagcttggg caatgaatgt gataagctcc 180

gttggaatca tcatggcgaa taaacaactt atgtcctctt ctggattcgc atttagtttc 240

gctacaactc tcaccggttt ccacttcgct ttaaccgcat tggtcggtat ggtatcaaac 300

gctaccggat tctctgcttc gaagcatgta cctatgtggg aagcttattt ggttctccat 360

tgtcgctaat gtctctattg ctgctatgaa cttcagtctc atgcncaatt ccgttg 416

<210> 6658
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-G10

<400> 6658

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gctatctatt tgctttggtg gctggacagc tagtgagcag agatgataca tttaccacac 180

gctctggtag gcaggtttcc ctgaaaatct ggactcctgc agaagatcta ccaaagactg 240

cccatgccat gtattcccta aaagcggcca tgaagtggga tgaggatgtg ttcgggcttg 300

agtatgacct ggatctcttc aacattgttg ctgttccaga ttttaacatg ggagccatgg 360

naaacaagag tttgaatatt tttaantcca agcttgtcct aagcatcctc n 411

<210> 6659
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-G3

<400> 6659

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aatccagaga cggngaatct gtcacgcctc ttgttggcgg tggtaatggg gacaatgcgg 180

ttgcaccaca agtgtttaat tctttaccag ctcttaatga agctgcttct tatataactc 240

aagcaacgtc ttacttaagg agctgttttt ctgactattc agtagaatat ggtggcaagg 300

atactatttc ccacccccat gagttgttac gatcaacttc cggagttgac gggaattccc 360

cagtgaagtg tatgcatttc gcctggtgaa aggttttcaa cttcntcaga aggcatctac 420

atctgatgcc aacagcccgt cgagggaatc ctacagagan tctgccacag gnaacaaatg 480

gcaataatgg ccttccaaa 499

<210> 6660
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-G7

<400> 6660

acgcgtccgc ccacgcgtcc gaagaaactg agaagataac cataatcttt gttgataagg 60

acggagagga aattcctgtt aaagtaccaa ttggaatgtc agtgctcgaa gctgctcatg 120

aaaatgatat agaccttgaa ggggcttgtg aggcttctct agcgtgttca acgtgtcatg 180

tgattgtgat ggatactgaa tactataaca aacttgaaga accaacagat gaagagaatg 240

atatgcttga tcttgctttt gggctcacag aaacgtcacg actcggatgc caagtcattg 300

caagaccaga gctagatggt gtgcgcttgg ctattccttc agcaacaagg aatttcgcgg 360

ttgacgggtt tgttccaaaa cctcattaat ttcccgcaga gantcntcga cttgaggcat 420

taatgatcaa agagctgnat caagtttcc 449

<210> 6661
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-H11

<400> 6661

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aaatgtcaag aaactgggga cagaactggc aaagcaacaa tctcttaaac ggtcaagcat 180

tgtcatttaa ggtgactgct agtgatggtc gtaccgtcgt ctctaacaac attgctccag 240

ctagttggtc ctttggacaa accttcaccg gccgtcaatt ccgttaaaat tgagtcaagt 300

tcggttttat atagttttag ggtttgtgta gtagttggtt gaggaaagag tagagaaaga 360

gagagggttt aaggcttttt agggttttta agtggagagc cttgaaactt cttctttgac 420

tcttgagggt taaaatggag aaaagagctt gttttataag ggctcctttt aagtcatgtt 480

aaggattang 490

<210> 6662
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-H3

<400> 6662

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cctccacgtc gtctctaaac tcagcaaaaa ccaatgtcga cggtgagaaa aatcactctt 120

aagagttcgg atggcgaaaa cttcgaaatt gacgaagcgg tggcgctaga gtcacanacc 180

atcaaacata tgattgaaga tgactgtacc gataatggta tccctctccc taatgtcaca 240

agcaagatcc tttcgaaggt gattgagtac tgtaagagac atgtcgaagc tgctgagaaa 300

tccgaaacca cggccgatgc tgctgctgct actactacca ccaccgtcgc gtcgggttct 360

agtgatgaag atctcaagac ttgggattct gagtttatca aagttgatna agggcactct 420

cctcgatctt aancctgggc tgccaactan cttgaa 456

<210> 6663
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-H4

<400> 6663

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ccacgcgtcc gcggacgcgt gggacacaac ttccaacgat cacacacaaa tggcgatgac 120

gtcagcagct accggattta ttctcacggc caacgtcccg gcggcaatag gcggtggttc 180

ttcaaagagc accaccattg tgtctttctt gccgatgaga ancttcggtt caaggctagt 240

agtcagagcg gcggaagata cacctccggc aaccgcctcg tcggatagtt cttccaccac 300

cgctgctgct gctccggcga aagttccggc cgctaaggct aaacctcctc caattggccc 360

aaangagagg atccaaggtc aagattctaa nggnaaagaa tcatactggg tacaanaacg 420

ttggattcng ttgttggccg ttgattaagg ancccnanga ccggtatccc ggtgggggnc 480

ccggttcccc ccaagg 496

<210> 6664
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-A10

<400> 6664

tanattcgcc gttctccatc ggtaaaacgc agctgacgag ctacatnatt cnctgagatc 60

ngcgttacgc cgggtgtggn ancagaattt angttaatcg gntctcaatt atggacgaan 120

aggcagcaaa acctagagac tccaccgtga atcagcaaca tcaatactat tacggaacgt 180

ttcaaggcgt tgcgaatttt cctactccta ctccaccacc gcantttatg caaccacagc 240

atccgattac tacgtttcct gggacatgct taccanaatc tccaaggtca tggtggtggt 300

gtgaattatg ctcaaggatt cccagttgtt gttcctgatt atacagtggt tgaagtgaag 360

accaatgata gagcatggaa nttccttgtt gtggcttggg catggggctg gtttctgttt 420

ancaaggggc ttc 433

<210> 6665
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E8

<400> 6665

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taaagatgcg tcctttatgc gttctaatga tcatggtaac agagaagttg gtagaaattg 120

ggatactagt ggtcttgaag gcacagctct taagatggtt gagggtgatc gcaactctaa 180

gaactggtgg agaaagcttg aaatggtacg cgaggttata gttgggagtg ttgagaggga 240

ggaacgattg aaggcgctca tatactctgc aatttatttg aagtggataa acacaggtca 300

gattccttgt tttgaagatg gagggcatca ccgtccaaac aggcatgccg agatttccaa 360

gacttatatt ccgtgagttg gagcacattt gcagtaagaa agatgctact ccagaagaaa 420

tnccttgttg ccccggnaaa tccaaccc 448

<210> 6666
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-D1

<400> 6666

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tataacttgc ctgcatggtc cgtaagcatc ttgccggatt gcaaaaatgt agctttcaat 120

accgcaaaga taaattctgc aactgagtct accgcatttg ctcgtcaatc attaaagccc 180

gatggtggtt cgtctgcgga gttaggttca caatggagtt acattaaaga acctattgga 240

atttccaaag ctgatgcatt cttgaaacct ggattgctag agcaagatta acacaacagc 300

tgataaaagc gattacttgt ggtactcact aaggacggat ataaaaggcg atgagacttt 360

ccttgacgag ggatctaaag ccgtccttca cattgaatct cttggtcaag tggtctatgc 420

ttttataaat ggaaaacttg cangaagcgg acatggcaaa cagaagattt ccttgggata 480

tancgaatta 490

<210> 6667
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-D12

<400> 6667

acgcgtccga aagaaaggaa ctccatggac agaggaanaa cacaggatgt tcttattagg 60

tttacagaag ctgggtaaag gtgattggag aggtatctca agaaactatg tgaccactag 120

gacacctaca caagttgcta gccatgctca gaagtatttc atcagacaat ccaatgtctc 180

tcgtcgcaaa agacgttcta gtctctttga tatggttcct gatgaggttg ganatattcc 240

catggatttg caagaaccag aggaagataa tattcctgtg gaaactgaaa tgcaaggtgc 300

tgactctatt catcagacac ttgctcctag ctcacttcac gcaccgtcaa tcttggaaat 360

cgaagaatgt gaatcaatgg actccacaag ctctaccaac gggggaacca ancgcanctg 420

ccgctgcctg cttcttcgtc ctccaagaat 450

<210> 6668
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-D2

<400> 6668

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tctacattcn atatgagtct cccaanacag attgttcctt ttggnccgag ttcatatttg 120

tcggnacaag caagagttgt tgaagaccat acaatgtcac aagttatttt acangcagta 180

tcaaatngag ggggtactgg tctactgtta atggtgacag gggcaagtca tgttgagtat 240

ggttcaanag gaacaggttt gccagcaagg atctcaagga agtttccaaa gannnaccaa 300

gttgttgtat tacttgaccc tgaaagacag ttcttgcgaa gaganggcga aactccantt 360

gctgatttcn tgtggtattc cgctgcaaga ccctgcagta gaaaactgct ttgaccgtcn 420

g 421

<210> 6669
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-D6

<400> 6669

ggggtttctc tgttacttga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnttccca aatcggtacg ttcatcttcc tgcttctgtg 120

agcccggaga tcgatcggat ttttttgtat tttgtatatt tgttgtagat ctaaatgctt 180

ttgttcagtt ttgttggatt gttttgctga tctggttttt gtattatttg gataacagat 240

cattaacgat cgtgagactg gaagatcaag gggattcgga ttcgtcacct tcaaggatga 300

gaaagccatg aaggatgcga ttgagggaat gaacggacaa gatccgatgg ccgtagcatc 360

actgttaacg aagctcagtc acgaagaanc cgtggcgcng aaggccaccg tngaagttg 419

<210> 6670
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-D9

<400> 6670

acgcgtccgc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncaagaaa 60

atcacaaatt tcccaagaaa acactcacat atatgatgct atatatagaa agatagtctc 120

atctaattct ctctctccct cggattcgtt agatgtgatc atttttttctt gatttttgat 180

cagattcttg cgtatagctg tatatataca ccaagataca ctcatcatcg tcatatatag 240

attatgtgca gcgtctctga gcttcttgac atggaaaact tccaaggaga cttaaccgac 300

gtcgtacgag gaatcggagg ccacgtgtta tcaccggaga ctcctccctc gaacatctgg 360

cctcttcctc tgtcacatcc aacaccatca acgtcaggat cttaacatan acccccttcgg 420

agatcctttg tgagcatgga cgattcac 448

<210> 6671
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E1

<400> 6671

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caagggtaag ggttatgaag gtgttgttac tcgttggggt gttacccgtc ttcctcgtaa 120

gactcacaga ggtctgcgta aggttgcttg tattggtgcg tggcatcctg ctagagtgtc 180

ctacactgtt gctagggctg gtcagaacgg ttaccatcac cgtactgagc ttaacaagaa 240

gatttacagg ttgggtaagg ttggtactga ggcacacaca gccatgactg aatatgacag 300

gactganaag gatgtgactc caatgggagg cttcccacac tacggtattg tgaaggatga 360

ctacttgatg attaangggg tgctgtgttg gtcccaagaa gnanantttg taactcctca 420

aaacagtcaa ctnctcaatc a 441

<210> 6672
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E10

<400> 6672

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tcgaaatcgg agaattagcc aaacgatgga cgccgacgga atattccgca gcatcttcga 120

gggttgtatc tccggccttg attccgccat cgaacggcgt ccttaccaca aaaactgcgg 180

atgtgctctt cacgataaat caagtggcgc tgggaaaaat caaaatcagc gatggccgcc 240

gtcttgtcgc cgccacggaa gctcagagag catctcgttc ccgatcnnaa ggtcttggan 300

cgaangcaac atcanggcta tgaatctctt ctcctcatcg tcgtcttctt ctaatctcca 360

atcgctttct tcgncttctt cgctctcaaa tcnggcatca agatttaccg gtgngataat 420

gctncgactg nggaaccgat caggatctan taanngacct acnatggacg attgatgaan 480

gtgaagatga ttga 494

<210> 6673
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E2

<400> 6673

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aagtagccgc gtttcttgat tctcccattg tcgaagacga agaangcgaa gaaagagaag 120

aggaagaaga aggaggtatc gtttcaaatg ccaactttac gtttgagttt gatccataca 180

tgatgagcaa agccgaatca ntgaacaaag ctctagaaga agcaattcca gtcggagagc 240

cactcaagat tcatgaagcc atgcgatacg cgattcttgc ggctggaaaa cgtgttaggc 300

caatactctg ccttgcttct tgcgagctag taggtggcca agaaaatgcg gcaatgcccg 360

ccgcttgtgc ggttgacgat gatccacacg atgtctctaa tcaaagacga tttgccttgt 420

atggacaacg acgatttgcg tcgtggaaag cccacgacgc acaaagtcta ccgnnaaagg 480

agttgcaatc cccccggggg g 501

<210> 6674
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E3

<400> 6674

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gggccacgtt taaccctngc cgttaccttt cggtgtcgta actccggtgg gtaaacatca 120

actctcctcc gttggtaatt tctcctactg ggaattgctc aagctttctt gggtcccgtc 180

gaccgcttgg tttccctcct tagctttgcc nacccgggtg gcgaagccaa ntccaagcgg 240

ttcggtctct ctgccggaag tcnggatcat taaaaagctc tcgtcttcga agatcgtgat 300

gacnttcggg gctcgtcnac accggtctac gccacagccg ttggacccca agaacgggta 360

antctcggaa caatcgcacc aaatcgccat angtttcatc gttgggaact aaacatcctc 420

cgccgggtgg gaagctttca gcgggagctt ccatgaaacc cagccgttgc tttcggganc 480

aagccggtcg taaagctggg acgttgggac caancaacgg ggtttaactg gggg 534

<210> 6675
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E4

<400> 6675

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tgtggtgtgg aaagaaactt atctgtccag catcttgatt cttcagccgc aaaccaagca 180

actgagaagt ttgtctccca aatgtccttc atggaaaatg tgagatcttc ggcacagcat 240

gatcagagga aaatggtgag agaggaagaa gattttgcag ttccagtata tattaactca 300

agaagatctc agtctcatgg caagaaccaa gagtggtatt gagaaggaaa aacacacccc 360

aatggtggca cctagctctc atcactccat tcgatttcaa gaagtgaatc agacaggctc 420

aaagcaaaac gtatgtttgg ctacttgttc aaaacctgaa gttaaggatn aaggtcaagg 480

cnaatgcaan gtccaggtgg ctt 503

<210> 6676
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-126-Q1-E1-E5

<400> 6676

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cttatccgct gcttctctct ccctctcttt cgcttcttcc cacgattact ccatcgttgg 120

atactccccc gaggatttgg aatctcatga caaactcata gaactcttcg aaaactggat 180

ctcaaatttt gagaaagctt atgaaaccgt tgaagagaag tttcttaggt tcgaagtttt 240

caaggataat ctaaagcaca tcgatgagac taacaagaaa gggaaaagct actggctcgg 300

gctcaacgag tttgcggatt tgagccatga ggagttcaag aaaatgtatt tagggctcaa 360

gactgatata gtgaagacgc gatgaaagaa agatcttacg cagagttcgc ttacaaggga 420

<210> 6677
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E6

<400> 6677

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gcgtccggaa aacttttgat ttcgagagtg cttcggagca gaagaacgag caaagctagg 120

gtttccatct atcaaatcca gctacaatcg aacctattca tcgaaattag ggtttttttt 180

ttggtccctt aatttttccc ttctagtagc ttctgatcct tcgatttcca tggcggatgg 240

gtactggaac cagcagcgac agcaacatca tcctcctggt ggtcctatga aacgtccccg 300

ttccgatttc gaagctccat catcaacaat gactatangg cacggtggtg gttattatcc 360

gcgagatgag gatctcgatg ttcccgatac tagaactatc ggttcagctt acgatcgcta 420

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gangaagagg aaggaag 497

<210> 6678
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-E7

<400> 6678

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ctcacagact ggagcctagc atcaacctat ggaaagatcg gtcttttcat aatcgcttcc 120

gttgtaggaa gtgatggtgg tgtcattgcg ggtttagctg cctgtggtgt tatgatgtca 180

atcgtctcca ccgcagctga tctcatgcaa gacttcaaaa caggttacct cactttatca 240

tctgcaaagt ccatgtttgt aagccagctc gtgggaaccg caatgggctg tgtaatcgct 300

ccactcacat tctggctgtt ctggactgcc tttgacattg gagatccaat ggtccgtaca 360

aagcacctta cgcagtgatt ttccgtgaaa tggcgattct cggaattgaa ggctttgctg 420

aaattgccaa ancctggttt ggc 443

<210> 6679
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C9

<400> 6679

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gatggttcat caagttcctt cattcgggtc ggattcggac tggatggagc catcaatgca 180

tttatgccat tcaagaacgt taaagcctca tgcttatgat caggtttaca atgcttttga 240

cctactacga accgaaccat ctgtccagaa aatggtagta tcattgtcgt ctgacaaagc 300

agtttgggag gcggtgatga acaacgatgt ggtgcgaaga gattagggac ttgtacaaca 360

atggcataag tcaagatgag gaaaattcag aangacaccc tanggagaat aacgcacaac 420

nggatttcat aaa 433

<210> 6680
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-A7

<400> 6680

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gcccacgcgt ccgaacattt ctctggctca gaatcgacgc catggaaatg taaagaagaa 120

acaaagacga gctctcaaat ccagcagcaa tggcttttct tctttctaat ctatcatctc 180

cgtcaatcca tcttcaaacc ggaaaatacc caaaccttaa acccattttc agtcaatctc 240

tatcgtcttc gtcttctgtt agctacgaat ttgtagaaga gaatctatct acactctctc 300

tattgagcat ccagtctcct cctcttaaag acacgcaagt tcagacaaga cacagttcgc 360

aagataagca taataaccac gacagagatg aattctatat caatcttggt gtcgctgtcc 420

gtacacttcg tgaagatttg cctttgctct tcactagaag atnttaattt cgaaatccan 480

aagggatg 488

<210> 6681
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-B3

<400> 6681

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tgatgggtgc attcagtttc cgacancgat cacaagtgca tcgtttgtct tgaggaagta 180

ttatctcaaa gtttcctttt cagctggaac atgtgtatta ncttgaaaaa ncggtgtcct 240

cactccaatc aacagatgaa ncattgnaca gccttgccaa tgaatctcca aaccctgagg 300

aangtattga tgaaccacaa gttgggtatg aggttcaagg attcattgat gggaagtttg 360

atagcggcta tctggtgacg atganattgg gttctcaaga gctgaaangt gtcctttaac 420

acattcctca aacgccaagt cagtctcaac aaaccatggg aacaccttna gccattggtt 480

naatcctcca a 491

<210> 6682

<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-B5

<400> 6682

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tctggctttc cgaccaaccc ttcccaattc aaagtctcac agttcggaca tgggcagtcg 180

aatccaacgt ttctgataga ggttggctca gggagttcct tgaaacgata cgttttgagg 240

aagaagcctc ctggcaagct tcttcaatct gctcatgctg ttgatcgaga gtttcaggtg 300

cttcgggctt taggtgaaca tacacaggtt cctgttccta aagtcttctg cttatgcact 360

gaccctgctg tcattgggac tgctttttac attatggagt ttatggaagg acgtaatttc 420

antggattca a 431

<210> 6683
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-B6

<400> 6683

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anacagagag cagaaagaac caaaatcagg tccgatggct tcagccttgg agatcacaca 120

gattccatgc aagctctgtg accataaact ggtgtatggg acaacacgca ggtctgtagc 180

gtacagacca gctatgttgt caatggtggc gattgctgcg gtttgcgtct gtgtggcact 240

tctgtttaag agttgcccgg aagtgctcta tgtgtttcaa ccgttcaggt gggagttatt 300

ggactatgga acaagctgag tgtaagtcta ctttgaaaga tcttctaaga tatatatatg 360

aatgttactt atataaaacc catagaggtg tgatttccaa tatgttac 408

<210> 6684
<211> 400
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-B7

<400> 6684

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tactgctgtg cagctctcat gacaaaggtt gcaggtccta catctgtgat accagttacc 120

gacattccaa ttgccttgac cggtttaaga aattgcattc tgaatccgca aatgacccta 180

ctcccgaggc gaacttggct tcaagggaac ataataacga atctctatac gagcatggta 240

cagccagtcg aagcagtttt caccgtgagt ctggaaaccg aggctcttct tgggattccg 300

aatcactgag gaggaggagg agagttgagg aagaagttga gtcagaagat atcacaaatt 360

tgaaatgtcc tctatgccgg ggtactgttt taggatgggn 400

<210> 6685
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-B8

<400> 6685

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ggttaaagac ctctagcttc acggtcaaac atcataaacc ttttgccgcc gtcactaata 120

ggaattaact gatctcgtca atggcggagg tggaggagat tgcgcacgag gagcagaata 180

tcgagaagag ggagaagaag aaaggtaaac acgagaagcc gaagccatgg gatgatgacc 240

caaacatcga ccgttggaca atcgagaagt ttgatccggc atggaacccc actggtatga 300

ctgaaaccag cacgttctca acactctttc ctcaatacag agagaagtat cttcaggagt 360

gttggcctag agttgaatct gctcttaagg agtacggtgt cnnctgcaag ctcaacttgg 420

ttgaaggttc tatgactgtt tcgacgacna gggaagacna ganatncata catcatttgt 480

caaaacnaag ggattt 496

<210> 6686
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C10

<400> 6686

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tcacggaagc aaagaataca attccaaacc ctaatcccga tcatccgtct ttcctctccg 180

gtttcaaaat atgagtaatc agaagaagag gaattttcag atagaggcgt ttaagcatcg 240

agtcgttgtg gatcccaaat acgctgataa aacttggcag attcttgagc gtgcgatcca 300

tcagatttac aatcaagatg ctagcggtct caagtttccg angaacttta cagaaatggg 360

tacaacatgg tcctgcacaa agtttggtga gaagctatat ancggggtt 409

<210> 6687
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C12

<400> 6687

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tgttctgagc ctcttagtag tgaccgcagc caatatattt atttttgtaa tttaaaaact 180

cactattaca ggcaaattag taaagttggc gaatcaacgc ccctgaaaga tttctgtttt 240

agtttctggt agagctagta atgttgtttg attcgtaatt tctttccttt atgtgtgata 300

ctgtagatag attagatgga tcaaatcgtt aatgtggatg aagtttcaag agctgggcta 360

aacangccct ccctaagatg tactatgatt tctacaatgg angancaaga ggattaacac 420

actcctcnaa tggaaaaatg tccaagnctt cc 452

<210> 6688
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C2

<400> 6688

ctgttacgct tccgtgcccg tccnaaattc aangggtcga cccacgcgtc cgaagacaat 60

gctcatcagg actacaagca gttgctgatg ttgctgcttc cattagagct ggttattacg 120

acattggtat tggtgctgga gtggaatcaa tgtcaactga tcatattcct ggaggcggct 180

ttcatggctc taatccaaga gcacaggatt tcccaaaagc ccgtgattgt ttgcttccaa 240

tgggaattac ttctgaaaac gttgcagaaa ggttcggtgt cacaagagaa gangcaagat 300

atggctgcgg tggagtctca caaacgcgct gcagctgcaa tcgcgtctgg taaactcaag 360

gatgaaatca ttcctgttgc tactaagatt gtggaccctg agactaaagc agagaangca 420

atcgtcgtat ctgttgatga cngtgtacgt ccaaactcaa acatggnaga ntttggaaan 480

gcnggaaaac ggtctttaac a 501

<210> 6689
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C3

<400> 6689

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cataacgttg tacacactgt ggcaaatggt ggagatgcat gagattgttc cagggaagag 120

gcttgatagg tatcacgagc taggtcaaca cgcttttggt gaaaagcttg ggcctatgga 180

tcgtcgtgcc gcagcagctt atcgtggagg tcggtgttga catcgtttat atggtcacag 240

gaggagcatc cctcaagaaa gtccatcaac tagtctgtcc cgattgcaaa gagatcagaa 300

ctacgttttg gatcatgatc tttgcttccg tccactttgt tatctctcac cttcccaatt 360

tcaactctat ctccatcatc tcacttgccg cggctgttat gtccttaact tactcaacta 420

ttgcttgggc tgcatccgtg cacaaagggg tacatccaga tgtggactac tctcctaana 480

gcat 484

<210> 6690

<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C4

<400> 6690

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acaaaaccct aatttcgaat ctttatnctt caaaatgggc tttctgtaac aaaactccgg 120

tggggctaat tgagacagaa cattcctcct aacgggaaat gtttcgggtt acgtccaatg 180

ctcgggatnt ctccgggttg aatgtctacc aaagcttttc aatcggaggt cnctcaaggg 240

ggaaaacgat gacgcatcct taagggaatg cctttgctca cttccggtga cgttgttgat 300

gcnnaaagtt atcgttgata agaanagaca cggaaagatn aaagggggtt tgggatttgt 360

caaacttcaa tgatgaaggg tgctgcaaac tgctngccat atcacgaaga tggaccggaa 420

aaggaactga atggtccgtc acatccgaag ttgaatcctg gctaatggat aagaaccaaa 480

gtgctccacc gggccttaaa ggaagtgggt gggtgngaat aaaattngnn ggaaggttgg 540

agggctaccg g 551

<210> 6691
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C7

<400> 6691

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ctcatcatac ttcttgtggc tttctcttta cacctcttca ttgctttcat atctctactt 120

tcattcatat ccaacaaaaa atatcaatga tgtcttttgt cgcaaacttg gccatcaaga 180

gatttgacca tgcttccacc gtgtatgttg aagatgtggt agatagttct cgagtggcat 240

atagtgagaa tggtggtgat gacgatgaca gtggctatga ttatgctcct gctgcgtgat 300

tgtttcctat tagtatatga ttgtaattta ggaggaaaca aaaagacaga gatgataagg 360

taatttanat atctagctag gccatgtatg tactaaatag tttggtgagt cttcttatag 420

atgaacaaac atggtttcca tagatgtnta cttgtgggat tgatantgtc ccctaaattt 480

tggaa 485

<210> 6692
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-C8

<400> 6692

taantcacnt gttgttgtct ttctttttc aaaccttgga agcaaggaat tctttttga 60

tgattnaatc ganagcttct tcctccaaac aaacatcaat ggcggtttat cctaacgtta 120

atggcgataa naancactgg tggttcactc acagaaagct tgttganaag tatataaagg 180

atgcaacaac tttaatggca agtgaggagg caaacgacgt cgcttcagct cttcanttac 240

tagacgcagc cttanctatc tccccgcgtt tggaaactgc gttagagctc aaggctanat 300

ntctcctctt cctccgtcgt ttcaaggatg tcgccgatat gcttcaggat tatatcccca 360

atcttaaact cgacgacgaa cggattcgcn tcat 394

<210> 6693
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-A6

<400> 6693

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gagactctgt tctcagcttt gagcaaagct ggagggaaag ctttcagtaa catggccgtt 120

ggttataaca acgttgatgt tgaagctgcc aataagtatg gaattgctgt cggtaacact 180

ccgggagtgt tgactgagac gacggctgaa ctagctgctt ctctttcctt ggctgctgca 240

agaagaattg ttgaagccga cgaattcatg agaggtggct tgtacgaggg atggcttcct 300

catctgtttg tggggaactt acttaaagga cagactgttg gagttattgg gagctggacg 360

tattgggatc tgcttatgct agaatgatgg tggaagggtt caagatgaat ttgatcnacn 420

ttgatcttac caatccantc ctcctga 447

<210> 6694
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-A1

<400> 6694

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ctcaaagctt ctctccacct gctgccactt caacaaggag atctcattcc tctgtcacag 120

tcaagtgctg ctgttcttcc agaaggttgt tgaagaatcc tgagttaaaa tgttccttgg 180

agaatctctt tgaaatccag gctttgagga agtgttttgt ttcagggttt gcagctattt 240

tgcttctctc tcaggcaggc cagggtatan cgttggatct ctcatctggt tatcagaaca 300

tttgccaact agggagtgct gctgctgtgg gagaaaacaa gctgactccn tccatctgat 360

ggtgactcgg aatcaatgat gatgatgatt atnanaggca tgactgctan gaactttgnc 420

cccgttaggt 430

<210> 6695
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-A4

<400> 6695

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aaacccngct atcaatcaca cacagaagga tcntccagtg actatttatn aaaagtgaat 120

tgcatgtcat tgactggaat cccgcaggct aattttcgct catacaagct acacaatcga 180

gacagttgaa gctgaacgga tatcagttga tcatgttgca catcttaaac catctgacgg 240

aggctcagca gcaacccagt tggctgctca tcttactggt atacatagtg ccatcaagat 300

gcttaatagc agaatcagag tgctttacca aaatcttgct gcaatgcaga aaggtgataa 360

atcttgtgac aactcagttc tgagacaagt atctagcctg ctaagaagat tgcctgccat 420

ggaatcagag agatttcaag ataatttcct ggatggagta caacgacaaa ttactaatt 479

<210> 6696
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-A6

<400> 6696

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acaagggacc acgctggacc gaaaaattgg atccaacttc cagatccccg cggcttcatt 120

gggaagcttt gttacgctct ccatgcttct ctctgtgccc atgtacgacc aatcctttgt 180

tcccttcatg cgcaagaaaa ccggaaaccc tagagggatt actttactcc aaagactagg 240

ggtagggttt gcgatacaaa ttgttgcaat cgcgattgct tcggctgtgg aggtcaagag 300

gatgcgcgtg ataaaggaat ttcacataac tagtccgaca caagttgtgc ctatgagcat 360

tttcnggttg ctccctcaag tactcctcnt cnaggcattg gggatgtgtt taacgcaatt 420

ggnttgcttg agtttttt 437

<210> 6697
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-B1

<400> 6697

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ccataagtgt aactcgggtt ctaaagataa cagtctcatt tctgagcaaa agcaggagga 120

gaacgataaa gagtgtcctg caagcatggc aaagactttt gtggttcaag agatgtatga 180

tgcaaaaatg gttaatgttg tcgaaggatt gaagctatac gacaaaatgc ttgacgcaaa 240

cgaagtttct caactcgttt ctcttgtaac caatctgaga cttgctggaa gaagaggtca 300

acttcaaagt gaggcatatg tgggttataa acggccaaat agaggacatg gacgtgagat 360

gatccaactc ggtcttccta tangctgata cgccgcctga tgatnatagt atca 414

<210> 6698
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-B7

<400> 6698

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gaaagtgggg aatgtgagaa aggttagtgt tgaaggaagt aatagttatg gtaatgggag 120

agtttctcaa agagtaaaga aacctgaggg gtttggtagg cgaaaggaga ttaaggaaga 180

tgtgaagtta aatgaaagat atgattgtga acattgtggg aggagaaaga aaagttctga 240

gttggagagt gaatctcggc gtggttctaa attggttact ggtgagtata ttggaaaaag 300

ttataggggg gatgaagaaa gagaagttcg gccaagaagg agaaagagtt cgagttgttc 360

atcgtattat tcccttgctt cttcagggga gtttgagagt gatactgaag atcaggagga 420

ggatgtagag atttatcgcg aaaacgtgag aagttcagaa gaagaangtt gttgatcagt 480

c 481

<210> 6699
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-C4

<400> 6699

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tcttcccctt gactttggaa gcctgctatt ccccctgtag naacaataag catggaagna 120

nggaagctcc aggacacgtt ttccangcga caaggattaa agaagattat gcaaactgat 180

gaggaagttg gcaaaatagc aatggcagtc cctcttcttg tttctaaagc tttggagctg 240

tttttacaag acttgtgtaa tcacacgtat gatgtaactc taagccgagg tgctaaaact 300

gtcaacgcct ttcatttgaa gcagtgtgtg caagcgacta atgtctttga ttttctaaga 360

gacactgtcg ctaaagttcc tgatttgggt ggctcagaca ctgaagacca atcagctacc 420

anaagaagga aagttgttga tggaagtagt tgcaacgatg aagatatgat aaaagaccac 480

tcaaatgcat gagg 494

<210> 6700
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-C7

<400> 6700

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tgcttagctc gaaaaatggc atcttcagcc gcccaaatcc acgttctcgg cggaattgga 180

ttcgcttctt cttcttcttc caatagaaat ctcaatggta aaggcggtac ctttatgccg 240

agaagtgcct tcttcggtac aagaaccggt cctttctcca cacccacttc tgcttttctc 300

anaatgggca ccagaantgg cggcggcgct tctagatacg cggttggtcc ggttcgtgtg 360

gttaacgang aaggttgttg gaattgattt gggtacgact aactctgcag tagcngctat 420

ggaaggangt aagcctacga ttgtgactaa cgctgaaggt cagaggacaa cgcccttctg 480

ttgtgg 486

<210> 6701
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-D3

<400> 6701

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ttctttattc cggttcagat ttactggatc gtcattttct ctttgaaatt gtatttttt 240

gttccttttc tggtatgttg tgaaagctat gagattgctg taagaatcca agactgacca 300

acatgtttcc cctgtgctcg gccacaagct gccgttacca ttctcagatt ttatttcctg 360

gcaattggcg aggctgttct tccttcagga gagagttgat tcacagatac agttcaggtg 420

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g 481

<210> 6702
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-D4

<400> 6702

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agggtgattc agcangaaca gtcactgctt tctacatgtc ttcagatggt ccgaaccaca 120

angaattcga ttttgagttc tnagggaaca ctaccggcga gccntacaga ntccatgacc 180

aatatctacg ctgaacggag ttggaaacan agaacaaaga ctcaaccntt ggttcgatgc 240

caccactgag tttcacactt actcaatcct ctggagtaaa cgcagtgttg tnttcatggt 300

agactaaaca ccgattcnag ttcangaana atcttgaang agaaaggtat cccatttgct 360

naagatcaag caatgggtgt tnacaagcnc canttggaan gcaggttgat tgggctacac 420

aaggaggtct t 431

<210> 6703
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-E1

<400> 6703

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cccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnta 120

actatggntc ttctctttct ctttttctct cttctcctct cttacctctt tttcaagatc 180

tggaaactca tagactcaaa gcaagacaaa gattgctaca ttttagacta ccaatgtcat 240

aaaccaaccg acgatcgaat ggtgagcact caattcagtg gngagatcat ttatcgaaac 300

caaaaccttg gtttaaccga atacaagttc cttctcaaag ccatagtaag ctcagggatt 360

ggngaacaaa cctacgctcc aaganttgtc tttgaaggtc gagaagagcg tccttcgtta 420

caagatgggg atctccgaga tggaangagt tctacgtgga caagcatcgg aaaactcccn 480

ggaga 485

<210> 6704
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-E2

<400> 6704

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cgattggagt tgttgctctt tgtgatctca cagggtttat gccnattcct aacattaaag 180

ttcttgcaag tagtgctata ttctacactc cctttctaag gcatatatgg acatggttag 240

ggctcaccgc tgcttctagg aanaatttca cttccctttt ggattctggc tacagttgtg 300

ttcttgtacc tggtgggtgt gcaggagact tttcanatgc ancatgatgc tgagaatgtc 360

ttcctttcaa gganaanang atttgtgcgc ananccatgg gaacaggggg agccctctgg 420

gttccagtaa tctgctttgg tcaagggnac gcctg 455

<210> 6705
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-E4

<400> 6705

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atataaggag tcttttcact gctcctagtg cgtctgcatt gcagaaagcc cttggatttg 120

gagatgtctc tcttttgaat cccattcttg tgcactgcag gacttctgca aagccctttt 180

atgcgattat ccacagggtt acagggagca tcatcatcga ctttgaaccc gtgaagcctt 240

atgaagtccc catgacagct gctggtgcct tacaatcata caagctcgct gccaaagcaa 300

tcactaggct gcaatcttta cccagcgggg agtatggaaa ggctttgtga tanaatggtt 360

caagacgttt ttgaacncca cngggtatga catggtgatg gcttataagt ttcatgaaga 420

tgatcacngt gaggttgtcc cccnangtta caaaaacctg gggctgna 468

<210> 6706
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-H5

<400> 6706

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gcttctctcg tcgatattct cttccttccc gcttaagcct tcggctagat atcaatggaa 180

aggtcgtata gcaatgcaag aatggccaac agtttcacgt tctggaatga ttgtgttgaa 240

gccagaggat ttagaanaaa tgtggatgga tcctgcggtc agtgctgaat ggattgatgt 300

tggagagact aaaggccaga aggttcacct ctcaanggat cctgatggtc agccttatct 360

tacacagacc gagatgaggg ctgtttctga tataactgtc cggaggcatt ttggattcca 420

tcttggattc ggnaatgat 439

<210> 6707
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-C10

<400> 6707

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tggctgagta cactgccaat ctctccgcca agttcatcan ngagaaaggc cttttcaccg 180

ttgttctctc cggcggtgac ctaatcgatt ggctctgcaa gttggtgcaa cctccttata 240

ttgattcaat cgaatggcca naatggcacg tcttttgggt cgatgagagg gtttgtgcat 300

gggaagatcc atacagtaac tacaaactcg ccatggaggg ttttctctcn aangttccga 360

ttccggataa gaacatctaa tcaatcgaca angcacttgg gcggctgatg gtaaacgccg 420

agcaantgcg gcgaa 435

<210> 6708
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-C12

<400> 6708

cgngtccggc ctcccgggtc gacnaacgcg tccggggaaa agaaatgtgg gcgattacga 60

gagtgataag ccggcgagtt catggaacaa gttttattac tattccaaaa ctctcaggtt 120

tctctattgt atctcggggn acaggttgan gtagagtatg caagatggaa ncaagttcaa 180

tttttcatca gagtttctga gaattcatag tccagctgct gatggnaaag tcagatcaat 240

cggtggtgaa aaggtgatat ctggaaggcg gtatgtagga atcatgtctn canaacccgg 300

ttggaanctа cggggtaang ttagtgtttg atgacttgca tanaacaggg gatatatcca 360

tgggattagg ttctacgagc ttgggagcaa taantttgg gtcttannna ggaanctata 420

ntcnaggact ccttcaannn gcagtantcc tcaagcccgt tgaaccctcc 470

<210> 6709
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-C4

<400> 6709

acgcgtccgc ttcgttgctt agtaagaaag tagaaagttt ctgagaatct cgggcacgaa 60

ttgaatcaga taattcgcta gaatcggttt aacgctttaa aggcaatcgc tttgcattct 120

catgaattct cttatactcg gtgctgctag aaggttcgtg gggttgcatt tgagagtttc 180

agtgaacctt ttgcaaaatg aatctttctc ttcgtattcg ttctcttctg ctagtgctgc 240

tgatgtgagc cctaaagggg agacctttaa atcctcgtcc ttccttgatt cactgcgttt 300

agctacaaaa ctcactgaca aggggaaatt ctgattccgt tctggatctc tcaagaagtt 360

atgggttcac tgattctcaa gatctccaag catcaatcag gaagtgattc caaggagtgc 420

ntanaagacn nttgatgcga acaatcccct tgggttaaaa gcct 464

<210> 6710
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-C5

<400> 6710

acgcgtccgg acttgtggta gttaccgtca aggaagctgt cacgcccatc actcctatga 60

cgctttcaac aaactttgtg ttgggcagaa ctggtgttct gtaactgtag caccggagat 120

gtttggtgga gatccgtgtc caaatgtgat gaagaaactc gcggtggaag ccgtttgtgc 180

ttaaatgaaa gcagacgcan cagcaatcaa aagactgtaa aggtggttac ttacgcattc 240

ttacaggttt ctgatggtat tagtatgttt tatgaagaca acagaagaag ttggtatttt 300

tctagctcct tattttatca cggtggaaag ttgtacaang ggacgcanca cgccgttcan 360

caatttgcaa gagttgtgat ttatntgtta ataanctttg ggaaggggtt tgttnttgta 420

<210> 6711
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E2-D4

<400> 6711

acgcgtccga ttctttggta actttcgctt actctctccc cattctctct cgaagagagc 60

ctcgccggag tttgtttttc ttcttgtttc gcggccaaaa ccgcctttgt gtaaagctac 120

cttgttattt tcctccgtta accatctggt ataggttgct gctggactct ttagatggca 180

gactctcgga atggtaatgc ccgagcccct cctagtggag tgcctccaaa agctgggaat 240

acttattcca tagatgttaa aaactttatc tcacgtgcaa gagcattgta tgaacactgg 300

gaagaagcac agtgcagact tatggggatc tgccgacgct cttgcattgc aacccctcct 360

ggcttctgat gatctgcgtt acctgaaaac ctcagcgttg aataatttgg gctccctggg 420

gtaatgaagt tccaagatac aaattaaggg ttttaaca 458

<210> 6712
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-D5

<400> 6712

gttacgcctg gcccgtaccg agtccggaaa ttcccgggtc gacccacgcg tccggtacaa 60

tactgcaact gtcggagtgg taggagatgg attcatggct cgtgatctaa cgttccagaa 120

cacggcggga ccagacgctc accaagcggt ggcgtttaga tccgacagcg atttttctct 180

gatcgagaat tgcgagttcc ttgggaacca agacactctc tatgcccatg gtcttcgtca 240

gttctacaaa aactgtcgta tccaaggaaa tgttgacttt atctttggga attcagctgc 300

tgtcttccaa gactgtgaaa tcctaatcgc accgcgtcaa attaaccctg aaaanggcga 360

gaaaaacgca gtcactgccc aaggaaggat tgacncgtcn cangtccacg gggtttccgt 420

gttccttgaa cngtttgatt aacggaacan gangagtaca tgangcctgt ttaaagctan 480

cccta 485

<210> 6713
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-E2

<400> 6713

tccggaattc ccaaggtcga cccacgcgtc cgcatttcga ttttttttccg gtgaaaaggg 60

aggagaaaca tggttgtacg tatcagactg tcgagatttg gatgcaaaaa tcggccattt 120

tttagggtta tggctgctga tagcagatct ccaagagacg ggaagcatct tgaggtctta 180

ggttacttca atcctttgcc aggccaggac ggtggtaaga ggatgggtct caagttcgat 240

cgaattaagt actggttatc tgttggtgct cagccatcag acccggttca acgtctccta 300

ttcagatccg gtttacttcc tcctcctcca atggtggcta tgggacgtaa ngggtggagc 360

acgaagacac acgcccagtt gatccgatga ctggtccgct atgtggatgc aagagaataa 420

agcagttaat gccaaatgat aaccaagncc taagggaaga aggatacaag aagccaaaga 480

<210> 6714
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-E4

<400> 6714

gggcgtcact cgtcacatga gaggaacaac aagaaaagtc aaaacgttga agctttctcg 60

aataacgcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnngaccag attcaaaatt gcgtagcgta ctaattcaat 180

atagagagaa gttagatcaa aagaagaaca cgaaactctg actgtgtctc tctttctctt 240

cgtgtgtttc tatatttata tataanaaga caagatctct ggtctggaat tagaagaatc 300

ttatttgggg ttttttctta ggattaagct ctaatggcan gatcangtac agngagcgga 360

cttnagnagg aganntctac ttgggcagtt ngctggttgt ttgctttgtc ctactctgta 420

tttcnga 427

<210> 6715
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-E6

<400> 6715

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cgacgcaaag ggcaaaatcg gaaaaagtgt tttatttatg gccgccgtta gtagttcgtc 120

ggagaccgga gactgcggcg ttacgggaaa gagagatgag atcatgttgt tcggagttag 180

agtcgtggtt gatccgatga gaaagtgtgt gagtttgaac aatctctctg attatgaaaa 240

gtcttctccg gaggatgaga tccctaagat agtcaccgcc ggagctggag atggtgaaga 300

taanaacgaa acggatgcga cngtgattgt cgctgacggt tacgcctccg ccaatgacgc 360

tgtccaagat ttccgtcntc ttccggcggg gangaaacga ngggttccat gggacngaga 420

ancgaancan aaagaggntc gtggantggg gttgccaa 458

<210> 6716
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-F2

<400> 6716

acgcgtccgg gattattgtg tactagaggg ttcttttagc ttctaggaac atgtctggtg 60

gaactccagt tggtggtggt gggtacatta ggcaaagaca tagccaaggt tatgcttctg 120

gtggtgatga tcttgaggat gatgcttgct ctaggccaca gccttttttct ttaagagaat 180

cctagaagta aaacctgggt tgagattttg gagaatgtgc tttggattgc atctgctgtc 240

ttcattgtct attttggaga caggcactct aatatgatac atattctctt accgtgatgc 300

tcgggatcaa aaggatgcct ttgtatttcg ggatgttggg aatagctgtg aacattataa 360

tcataatcta cganagcatg ttatcttggg ggcaaggaga angnttgatg agaaatggga 420

actgntggag taccccctgtg ggcctanatg gggct 455

<210> 6717
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-F4

<400> 6717

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tgggcggacg cgtgggaatg catttccctc cattctctta cgctttctct cactctcgtc 120

aatggcgacc accgcatctt catctctccc ccgtaattac tccttcacaa ctccgcgacc 180

ttcatcattc atccgaggac cgccattagc tagaacgctg cctctctatc tccgccgtaa 240

ccgtcgagta gctctcactt accgattgga ccagaattcg aagcagagaa gtggtggaaa 300

cgtaagatgc gaggcgacgg aggtatcttc ttcttcttct gtatccacac ctggaangaa 360

ttgggtgccg gtggtgcccg ttatcggcgc ttccgaaagg tgaacggcga gtggttaatn 420

aaagacgaat gagacgatat tgttggcctt tggtannaag naangatgtt ttttgcaatt 480

ngngaatcgt ttcacaagcc tgaang 506

<210> 6718
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-F5

<400> 6718

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gcgtctatct ctaatgagaa ccaggcattt atttcctgtg tcgacgatga gaggcttgag 120

tttgaagatg gtgacctagt tgttttctca gaagttgagg gtatgacaga attgaatgat 180

gggaaaccaa ggaagataaa aagtacacgg ccatattcat tcacccttga tgacgacact 240

actaactatg gaacatatgt gaanggtggt attgtcactc aagtgaaaca gccaaagtta 300

ctgaatttca agccattgag ggaagcgctt aangatccan gggattttcn atttagtgat 360

ttctctaant ttgatcgggc cncnactcct tcacttagca ttccaggcaa 410

<210> 6719
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-G7

<400> 6719

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aaacagagta aggctcactt tgttttagct ttctcctcta cttcgataat gccgtttgct 120

ccttccttgt tgtcatcgtc ttcctcagtc tctcaatttc ttcccagatt ccccaacgcg 180

actagattca atgtaactcc acggagcaga gccgccaccg tcgtcgcggc atccgtcacc 240

gacctagccg gggtcgacag tacaacaatc gccgtactcg gtggaggatc cgtagcagca 300

ctcgcggcga tggtttcctt aacggatccg ganaggaggc ggaaattgca ggcggaggaa 360

gttggcggag gcgataagga ggttgtgang gagtatttca atagcacggg gttccaagag 420

gtggaggaag atctacggtn aagaccgatg aaagtgaatc cgagtacaga agggatattc 480

cactcggtca tgctaangac 500

<210> 6720
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-C1

<400> 6720

acgcgtccgg tttcgagaat ggcctaatgt cctctcactc ttgggtggtc tgattgtgat 60

caaaacactg attataaccg caatcggtcc ccgagttggc ctcacaatac aagaaagcgt 120

aagagttggc tttcttcttt cccagggagg agaatttgca tttgttgtgt tctctctagc 180

caacaggcta ggagtgcttc caaatgagct gaacaaactg ctcattatcg tagttgtttt 240

gtctatggca ttaacacctt atcttaacca acttggaagg aaaagccgcc gattttcttg 300

atgagagact tgatcccggg agagaaaata cgtgaagatg tnaacttcca atgttaagtg 360

aatcaattgt naacattggn tttggacaaa tggggtcang gttctgggcc aaatttttgt 420

caacgcccaa ttgggtctca agataagtgn ttct 454

<210> 6721
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-F2

<400> 6721

ctgttacgcc tgcnggtacc ggcccgaaaa ttcccgangt cgacccacgc gtccgggatt 60

attgtgtact aagagggttc ttttagcttc taggaacatg tctggtggaa ctccagttgg 120

tggtggtggg tacattaggc aaagacatag ccaaggttat gcttctggtg gtgatgatct 180

tgaggatgat gcttgctcta ggccacagcc tttttcttta gagaatccta gaagtaaaac 240

ctgggttgag attttggaga atgtgctttg gattgcatct gctgtcttca ttgtctattt 300

tggagacagg cactctaata tgatacatat tctcttacgt gatgctcgga tcaaaaggat 360

gcctttgtat ttcgggatgt tgggaatagc tgtgaacatt ataatcataa tctacgaaag 420

catgttatct tggagcatga gaaggtttga tgagaaatgg ggaactgtgg aagtatccct 480

gtggnc 486

<210> 6722
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-F5

<400> 6722

acgcgtccgg attttgggcc tgaatttgcg gttcttgatg ttgatggaga ggaaccccat 60

acaggcatca ttgcgtctat ctctaatgag aaccaggcat ttatttcctg tgtcgacgat 120

gagaggcttg agtttgaaga tggtgaccta gttgttttct cagaagttga gggtatgaca 180

gaattgaatg atgggaaacc aaggaagata aaaagtacac ggccatattc attcaccctt 240

gatgaggaca ctactaacta tggaacatat gtgaagggtg gtattgtcac tcaagtgaaa 300

cagccaaagt tactgaattt caagccattg agggaagcgc ttaaggatcc aggggatttt 360

ctatttagtg atttctctaa gtttgatcgg cctccactcc ttcacttaac attccaagca 420

cttgatcatt tta 433

<210> 6723
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-G1

<400> 6723

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aaaacacggt ggtgctacgg gcggagcaca agaatgaaga aggccggaaa tctgttgata 180

agttcgaagt gaagacacgt aatccggaga cgatcaagag cgttgagcgg aagcttatgg 240

agaaaggtgt tcaacggatg gatcgtcatc cttccgatgg gattcctctc aggcgaccac 300

catcgaagtc aggtcacggc gggaaagtac acgtgggaag gacctgatcg gatggaggat 360

tacgaagatg cagccggatc caccggcgat ggatgaanga gattctaatt acgacganga 420

acagggtgaa gaagattggt gatgacgtgg ccgttgaacc ttttgaaagg aaaaggtnaa 480

ggtgggc 487

<210> 6724
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-G7

<400> 6724

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ctccttcctt gttgtcatcg tcttcctcag tctctcaatt tcttcccaga ttccccaacg 120

cgactagatt caatgtaact ccacggagca gagccgccac cgtcgtcgcg gcatccgtca 180

ccgacctagc cggggtcgac agtacaacaa tcgccgtact cggtggagga tccgtagcag 240

cactcgcggc gatggtttcc ttaacggatc cggagaggag gcggaaattg cangcggagg 300

aagttggcgg aggcgataag gaggttgtga gggagtattt caatagcacg gggttcgaga 360

ggtggaggaa gatctacggt gagactgatg aagtgaatcg agtacagaag gatattcga 419

<210> 6725
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-H1

<400> 6725

aaagagncgt aaagctatgt tgaagcttgg gatgaaacca atcactggtg ttagccgtgt 60

caccgtcaaa aagagcaaga atatcttgtt tgtgatatca aaacctgatg tgttcaagag 120

tccagcttca gatacatatg tgatctttgg tgaggccaag atagaggatt tgagctcgca 180

gctgcagagt caagccgcag agcagttcaa ggctcccaac ctcagcaacg tgatttcaca 240

gggagaaaca tcgaagtgct gcaactgcag ctgctgttca agatgatgat gatgaagagg 300

tanacgaaga gggagtagan ccaaangaca tcgaacttgt gatgacccca agcanggatg 360

tctaaagcca aagggcagtt aaaggcgcct caaacctcgc ctaatgggag atatagtctc 420

tgcccatcaa gggagct 437

<210> 6726
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-H3

<400> 6726

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tccgcccacg cgtccgcaaa aatctacgtg tgaagttagt tctattagga gactctggtg 120

ttggtaaaag ttgtattgtc cttcgatttg tacgtggtca gtttgacgct acatctaagg 180

taactgttgg agcctcgttc ttgtcccaaa ctatagcatt gcaagactct accacagtga 240

agtttgaaat atgggataca gcaggacagg agaggtattc tgctcttgca ccactatact 300

accgtggagc tggagttgct gttattgtgt atgatataac aagccctgaa tcgttcaaga 360

aagcacagta ttgggttaag gaactgcaaa agcatggaag cccagatatt gttatggctc 420

cggttggtaa caaaagctga tctacatgaa aaaagagaag tacctactga ggatggaatg 480

gg 482

<210> 6727
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-H5

<400> 6727

aaaaatggng aancgtcnaa ttctcngtat ctcttgaatt tcccagagat taatttgaat 60

cttcatcatc ttcttctctc tggattcgcc gagaaacctt cttcctctgc ttctctcgtc 120

gatattctct tccttcccgc ttaagccttc ggctagatat caatggaaag gtcgtatagc 180

aatgcaagaa tggccaacag tttcacgttc tggaatgatt gtgttgagcc agaggattta 240

tnaagaaatg tggatggatc ctgcggtcag tgctgaatgg attgangttg ganagactaa 300

angccagaag gttcacctct caagggatcc tgatggtcaa gccttatctt acacaagacc 360

ganatgaagg ctgtttctga tataactgtc cgggganggaa ttttgaantc caatccttgg 420

gattccgg 428

<210> 6728
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-H6

<400> 6728

attcttctgg agaggacagt tttatggaga gcaagatgat ttcagacgct tctcgtattt 60

tagccnanct ggactanagt tgcttcttca gtccggcaag aaaacccgac atcatacatt 120

gtcatgactg gcaaacagct tttgttgcgc ngctgtattg ggatctgtat gctccaaagg 180

gattacattc tgnangaana tgctttanat gtcanaattt tgagtatcaa agtaccgcgt 240

ctgcttcana attgggatct tgcgggcttg atgttaacca gntaaataga ccagacatga 300

atgcacgatn actccgtctg gagatanagt caatccngtt aanggcgcta taattttctc 360

aaacattgta acancccgtt gtcccctact taagcacaa 399

<210> 6729
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-A4

<400> 6729

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ggtggtggtg gtactcaagg ctatgttaga gaaggttaca atcagcctgt gactggttat 120

gttgacaatg atgcggtgat tgctcagttt tatcaagacg aattgtctag agttgctcga 180

gccgaagcat cggggatcaa tagtcttagt cctacttctg ttgttgcaca agactggcct 240

catcctcatc aaggacagga aaatcaaggg gaagccattg atattactca ggaaagtgat 300

attcttcata atcataacgg taacatggaa gataagaatg ttgcaaggat aagatttgaa 360

ggagggcaaa gttcccatct cgtgatgatg actcaatttg gtccngt 407

<210> 6730
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-A7

<400> 6730

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gaacctcacg tgaccgttct tcagatcgga tcttctgtgt gtaaccgtcg aggaggacnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngaaac 240

actctaatgg cgacaatgag caaagctcaa aggaccaaac ccacttctgg atctcagcgt 300

cttgttctgt tctgtatagt tgtgttctca ttcctcctcc tcttctcttc ggtgatctcc 360

accgggcaaa ttgggattgc cttatcanac aaaccctaan cgacnatttc ggtgtggtct 420

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attgaagtgg ccctggcana 500

<210> 6731
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-B12

<400> 6731

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gtccgctcaa accctaaaat aaattaaacg agttctacgt aagaaggaga gagagaagaa 120

tgggtcgcca aaacattgtc gtcgtggttg ccctcgtctt catggccatc attggccttg 180

ccgcagctgc ctcctctcca tctccttcag cgtctccctc caaagctcca gctgcctcca 240

aaaccgatca tgtcgaggct ccagtcaccg atgaccaaat cggaaccacc gatgacgatg 300

cagctcctac tcctggtgac ggtgacgttg cagtggctgg tcctctagga agtgactcct 360

cgtacgacaa tgcgcctaca ggctctgctg attctgccaa aagcggtgcg gcagctcttg 420

ggcntctctg cggtcgtccg ntgg 444

<210> 6732
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-B3

<400> 6732

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caagactgac tcgaaaacac catcccagcc tctggtatcc cgtcgctctg caaactatca 120

accgtctctt tggcagcacg aatatctcct ctcgctcggt aatacatatg tgaaagagga 180

caacgtcgag agagttacgt tattgaagca ggaagtgagt aaaatgctca atgaaacgga 240

aggtttactc gaacagctag agctcatcga cactttacaa aggcttggag tttcttacca 300

ttttgaacaa gaaatcaaga agacactaac gaatgtgcat gttaaaaatg tgcgagcaca 360

caaaaaccgg atagatcgaa accgatgggg agatttatac gacgancgcc cctttgagtt 420

ccgactccta aaggcaacat ggtttcagta tcgcacaaga tgtttttgac cggnaatatt 480

tggagttgat ttggat 496

<210> 6733
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E2-B6

<400> 6733

ctgttacgcc tggccgtacc gagtccgnaa attcccgggt cgacccacgc gtccggttat 60

gggtcgatgt gttgaangaa aacgttggag catggcttag caccaaaatc atggacggat 120

tacttgtatc taaccgttgg aggtacactc tccaatgcag gaatcagtgg tcaagctttt 180

caccatggtc ctcaaattan taacgtcctt gagctcgacg ttgtaactgg gaaaggagag 240

gtgatgagat gctcagaaga agagaacaca aggctattcc atggagttct tggtggatta 300

ggtcaatttg ggatcatcac tcgagcacga atctctctcg aaccagctcc ccaaagggtt 360

gagatggata cgggtattgt attcgagctt caaagtgttt acggaggacc aagagtactt 420

aatctcaaat gcatgggcaa ttaaagtttg attacgtgna agggttttgt ganntgngga 480

cgaaaggacn cgtcaaca 498

<210> 6734
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-E7

<400> 6734

tgcgataatg agagaacgga ttattacatt cgtttcgctg cttcttgtag ctttgctttc 60

gtttcccagt gttagctact gtgacgacca aacgatcctg tatgaatcgt ttgacgagcc 120

ttttgatggt cgctgggtcg tttcagagaa agctgaatac caaggtgtgt ggaagcacga 180

gaagagtgaa gggcatgatg attatggact tctagtgagt gagaaagcta agaagtacgg 240

aatagttaaa gagcttgatg ttgatgagcc tctaaacctt aacgaaggaa ctgttgttct 300

tcantacgaa gctcgtttcc aagaanggct tgagtgtggt ggtgcttact taaagtatct 360

tcgtcctcaa gaagctggat nggt 384

<210> 6735
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A1

<400> 6735

acgcgtccgt gaagctctgg agagccaagt gaagaccaag gtgtccatca aggtgatttt 60

cagttctttt aatctcttag tcagcgtaat tgggtagaag aaaatatcca gttcgtgaat 120

tgggtggaag acgattaaga gtttctaaac tatcttgctc tattcggtta tcgttaagag 180

tttctgtgag taatgggttg aagctggata tcaaataatt tagtgttaaa aagttcaact 240

tgatagtaag atgtggattc agttatctgc ctgataaggt tattaagatt tgctagcaca 300

ggaaatacta acactgtcat ggattcaatc aagttcatan tttctttgga tgtcatatat 360

gaataatagg ttgcanattc ccaatccnag angttaaagt gtcaacctta aganta 416

<210> 6736
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A10

<400> 6736

taagtgatga acagagaaag actgtcctcc atcattcatg tcctggagct ggagcctgtg 60

gtggcatgta cacagcgaat acaatggctt ctgctatcga agcaatggga atgtcccttc 120

cttacagttc ttcaatacct gctgaagacc cattgaagtt ggacgagtgt cgcttagcag 180

gaaaatatct tctagaattg ctaaagatgg acttaaaacc ccgtgacatt atcactccaa 240

aatcacttcg taatgcaatg gtttccgtca tggcccttgg gggatcgaca aatgcagtat 300

tgcatctaat tgctattgca aggtctgttg gtttggagtt gactcttgac gattttcaga 360

aagttagcga tgcggttcca tttctagcag atcntaaacc cagtgggaag tatgtt 416

<210> 6737
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A11

<400> 6737

tcngggtcca cgtccgaagc caacaaaant atatccatag aagcttcatc gaaatggnga 60

atcaagcagc tgctgcagca ttcttccttt tcgctttagc cgtcttctcc aacttggagc 120

tctcagcttc ttcacttgtc agtggcaaga tctcttgcct tgactgccac cgcgatttcg 180

acttctcagg cattaaggtc ctccttaaat gcgacggaga gaagaaacaa ataaccgcgg 240

tggcagctgc agacggatct ttccggtcag tgcttccaac ggctgacaaa aaaggctcca 300

taaattgtcn tgcaaagctc ttgggangcc ctgangcanc tctatgctca cananacaac 360

ntgggtctcc tgaattggtc aaatcnaaan cacgattcca angttttaaa 410

<210> 6738
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A2

<400> 6738

acgcgtccga gcaatttcac tcttccgaga acaaccctag attccgatga tgaggggtct 60

cgtttccggc gccaagatgc tatcatcaac cccatcgtcg atggcgacaa gcatcgccac 120

tggtagaaga agctacagtc tgattccgat ggttattgag cactcatcgc gaggagagag 180

agcttacgac atcttctctc gtttgctcaa ggagcgtatt atctgcatca acggtcccat 240

taatgacgac acatctcacg tcgtcgtcgc tcagcttctt tacctcgagt ctgagaatcc 300

ttcgaagccg atccatatgt atctcaattc ccctggcggc catgtcaccg ccggtcttgc 360

aatttatgat actatgcagt acattcgttc tcctattaan acaatttgtt 410

<210> 6739
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A4

<400> 6739

agactagatt cgatgtgttg gtgaagaaga tctcgacttt gttcaaaatt ccaatttcgt 60

tcgcctcaaa gatcattctc tcatcttctc gactttgatg cgattgatta aatatggtgg 120

atacggttat tcccggagat atggcttgtt tggatgcaga tttgttgcag cttcaggaaa 180

tgtcttcctt tgttctcaat tctaaacctg gattcactca gaagctcttc gaccagtggc 240

tttctcttcc cgaagctcag cgacaggttg gatcattgct taaggatgct gtagctggag 300

ctcctatcaa tgttactggg aagtgcatcg ggttctaatt ctgccactat accatctatg 360

tttcctgcgg ggaagcgctc ctcctctttc aacaagaant ttgtg 405

<210> 6740
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-A9

<400> 6740

acgcgtccgc ccacgcgtcc gcggacgcgt gggcggcgtc aacgggcatt gaccttgtcg 60

cagattttcc tctctagtct ccgtcttcta ttaccagatc gagctttgtt cttcgagctt 120

ctcatctctt tgttcaatct caaaggtttt tgangtatca gcaaagatgg gtgacaatct 180

tatggacaaa gttaccgcat ttggtgagcg cctgaagatc ggaggttcgg aagtgagcaa 240

caagatcagt gctggtgtga agctcaaatg agctttaaag tgaanggaac nttttcaagg 300

tccaaaccca actgataaaa tagtccgaag atgctactac tgagaatcta gaaggaacct 360

gactgggata ttgaatttgg gnaatttgtg ata 393

<210> 6741
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-B2

<400> 6741

cacatcggaa agctacatct ttttcgtttt ttgtggtggc gatttctatt ctccggctga 60

aacctacctt caggattcag cctttctcag gttttcagtt ggattcagat agcagcttgt 120

acttcttcta gataatcggc gacacatatg gatgattggg aggccgngga ctttcaacca 180

cttccctcaa aagttgaact gaaaagtaac tgggatgatg aggatgtgga tgagaatgan 240

atcaacgact cntgggagga ggaagatgta tctgctccgc cacctatagt aaagcctgct 300

tctgagaagg ctccaaagaa accangcagt agaaagctgt tgaaaagaag gttaaanctg 360

ttgaagctcc naanaggaac atccagggga agaa 394

<210> 6742
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-B3

<400> 6742

ngttgccagg cccggtcaaa caaccgggtc gnnccacgcg tccgatggaa atcgtcggcg 60

gatggtttag actttagaga taacagaaga agacctcatc tttagagtcc ggagcgaaat 120

taatggcggc catagctcgt cttccactaa ctcattctct tccctccatc ttcaatcctt 180

catccttcct ctctcagtct ctctcttttc ctacttatct ccatcgctct ccctttcgct 240

ccttctcctc cgtctctcca atcctctgca cctcccatcg cgattcgaga tcgccgggga 300

gtgattctaa tgcgtcgatt gttggggatn ttctggatta tcttaatgaa tcctggacac 360

agtttcaacg ccactgctga ggcgaaagna gacaagcttt tggctgctgg gtttgatccc 420

ccagtgaaaa acgaaagact gggaatcctg aaacctgggt ggggcgttac ntcctt 476

<210> 6743
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-B4

<400> 6743

ggtcanaata tcccgggccg acccacgcgt ccaantttct ctctctngct tctacgcttc 60

ttcttgtggc gtagattgtt atagagaggg aaaccaaaan agggaatctc aaaagctcga 120

gttcacagat ttgacccgag tctttaatcc aatctgctgg ttcgttttcc acattcaaac 180

tcgactcttg aatatcaaat cagaagtctt tgctatggct gctaccgctg ctgcttctgt 240

tgtccgttac gcacctgagg atcatactct tcccaagccc tggaaaggcc ttatcgatga 300

tagaactggt tacttgtact tttggaatcc tgagaccaat gttactcang tacgagaaac 360

caaccccctc tctacctcct aagttttctc ccgccgtttc tgttanctct tccgttcang 420

ttcaanaaac tgaagcctaa gntcctccca agg 453

<210> 6744
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-B5

<400> 6744

gggcgcagaa gttgatctca acaagtgtga gccttggcaa cttcccggga gagctaagat 60

gggagagaaa gaatggtact tctttagcct ccgtgaccgg aagtatccga cgggactgag 120

aactaacaga gcaactgagg ctggttactg gaaagctacc ggaaaagaca gagagatctt 180

tagttcaaag acttgtgcac ttgttgggat gaagaagact cttgtctttt acaaaggaag 240

agctccgaaa ggagagaaga gtaattgggt tatgcatgaa tatcgtcttg aaggcaaatt 300

ctcttaccat ttcatctcaa gaagctccaa ggatgaatgg gtgatctcta gggttttcca 360

agaaaaccac tttagctagc accgggagcc gtctccgaan gaaga 405

<210> 6745
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-C10

<400> 6745

tacttgccng gccggtccaa aataacgggt cganccncgc gtccgaagct ncacttctca 60

gaagaaagta agatctgcga atctctctca ctctcacaaa tggcaacgct tttaggtttc 120

tctcagacta agtttcacca ttgcggcgtc tggatttcta cgccgccgtg ctcatcttcn 180

tccacggtag tctcaatggt gggcttgaat cggantgatt cgaaaaagct ccgttcagat 240

ttcctcggcc agattggtta cgaagatcgg agacaagtaa ganacagtta ctgtagaagc 300

tcattagctg tgaaaatgtc gtgggacggt cctcttgctt ccgtcaagtt gatcatccaa 360

ggaaaaaacc tcgagttatc agagncannt aancagcatg ttgaagagaa cctngggcaa 420

atctgttnag aaagacaggt nagtntgtga gagaacgttn gaagt 465

<210> 6746

<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-C12

<400> 6746

aatgttagtg ttgcagagcc accaatgtct cttctctctt cctttaccag gatccgtccc 60

ggtataatcc gattatccgc cgtaaaagaa atcgccgatg tggcggaggt ggaagaagat 120

ggtccaattg agcttcctac gtcgtccacg tctccgtttt cgtctactaa ctccattttc 180

gccacttccg atgatcctac tcctctccaa ttggccacca gtgtgcttct taccggtgcc 240

atcactgtct tcctcatccg ctccgttcga cggcgcgcta aacgcgccaa agagctgaca 300

tttagatcta ctggagctaa gaaatcgttg aaagaagaag caatggataa tctaaaagcg 360

ttaagttcaa ctccgataga aggtggtaat tcaactccat cggcggntca agcgt 415

<210> 6747
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-C3

<400> 6747

angcgtccgc ccacgcgtcc gcccacgcgt ccggaaaaaa tcactaaaca tgaagaatct 60

ggtcatattt gccttcttgt tcttaagcat cactactgta atcaatggtg gaataacaag 120

taaatttgtc cgccaagctt taccatcgat cgaaatgtct ctcgacactt tcccttctcc 180

tggtggctac aacactcctg aacaggttca tctgactcaa ggagaccatg atggacgtgg 240

catgattgtc tcgtgggtca caccgttgaa tctcgctggt tctaacgttg ttacctactg 300

gatcgctact aatggtagtg acgtaaagcc agcgaaaaan agagctcatg cctccactaa 360

atcttacaga ttctatgact atagttcaag atttctccat cacgccacaa ttaaagggac 420

c 421

<210> 6748
<211> 422
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-C7

<400> 6748

acgcgtccgc ccacgcgtcc ggtccacaat catcagcttt tccaagtcct gcaccttcgt 60

accacggaag tccagtctca tcatccttcc cgagtccatc tcgctatgac ggaaaccctt 120

cttcatacct tcttcttccg ttcctacaca acatcgcttc ttcgattcct gctaaccttc 180

cacctcttag aatatccaac agtgcgcctg tgactcctcc gttgtcatct cctacttctc 240

gtggttcgaa gcggaaactt acttcagaag caattaccaa atggcgggtc tttacacgtt 300

ttgagacatc cgcttttcgc tanctctgct ccatctagtc nnacncgtcg tgctggtcac 360

caaacgccga ggtacaatnc cnggantggt gatgaagtcc nagggaggat tngattggaa 420

gg 422

<210> 6749
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-H9

<400> 6749

acgcgtccgc ttgtatggta acatcatggn tcttcttaca ccgatgggga caaagaaaca 60

agagtggtcc aaagacttgg cctttggttg gagcagcgat cgaacagtta actaattttg 120

atcgaatgca tgattggctc gttgagtatc tttataactc aagaacagta gtggttccaa 180

tgccattcac tacttataca tacatagctg atcccatcaa cgttgaatat gtcctgaaaa 240

caaacttctc canttacccc aagggagaga cttatcattc ttatatggaa gtattgttgg 300

gagatgggat tttcaattct gatgganagc tttggaggaa acagagaaaa accgcgagtt 360

tcgaatttgc ttccaagaat cttagagatt ttaagtactg tantgtttaa aaga 414

<210> 6750
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-F8

<400> 6750

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aacccagttt tttccgacgg cgtacaagct tcctccgccg taacgccgtc gtttaatacc 120

aagaagcttg attaggtttc cgtagtgtgt gatttttta aggttctgaa cactgatgtc 180

aaacccattg aaagagtcaa gagaggatat tgcaaattct actcctcaca tgagggataa 240

tgagtatgtt cggctagttg tggctcatga agcctcccca gctgaaaccg tgttgtctct 300

atcgcaatca gaggtgcaga gtaagaaatt tatgtggtgg ttaaaagctt tggggaatat 360

gtgcagttgc tctcttgctt acgcntgttt tcggaaaatg ggggagttcc gtttgtgttt 420

caaaaggttc ttattcca 438

<210> 6751
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-F9

<400> 6751

atgcatagaa gaaggtcgag ccagtggcat catgtgtgct tataaccgag tcaacggcat 60

tccttcttgc gctgacccga atcttttgac tcgaaccgct cgtggtcaat gggctttccg 120

cggatacatt acttcagatt gtgacgcagt ctcaatcatc tacgatgctc aaggctacgc 180

taaaagccct gaagacgctg ttgctgatgt cctcaaagct ggcatggacg taaactgtgg 240

atcatactta caaaaacaca ccaaatcagc tcttcaacag aagaaagtgt ctgaaacaga 300

cattgacaga gctctactca atcttttctc tgttaggatt cgtctcggtc tctttaacgg 360

cgatccaacc aaattacctt acggaaacat taagtcctaa cgaagtttgt tca 413

<210> 6752
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-G10

<400> 6752

cgagactgta gagtgaagtt tgatttattt agagagataa gttaaaaaaa aaatggtcgg 60

tatggatttg ttcaaatgtg taatgatgat aatggtgttg gttgtctctt gtggtgaagc 120

tgtttctgga gctaagttcg atgagcttta tcggtcaagc tgggctatgg atcattgtgt 180

caacgaaggc gaagtcacaa aactcaagct tgacaattac tctggagctg ggtttgaatc 240

aagaagcaaa tacttgtttg gtaaagtctc tatccagatt aagcttgttg agggtgattc 300

agcaggaaca gtcactgctt tctacatgtc ttcagatggt ccgaaccaca acgaattcga 360

ttttgagttc ttagggaaca ctaccggcga gccttacata gtccaaacca a 411

<210> 6753
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G11

<400> 6753

ttggnaaaga aagaaagaga gagaacaaag cttcttcatc aatggagaag catggatgtg 60

agatcgaagc tttagatatt gattananca tctttgtaag gaagattaat gttaatccct 120

ttggaatctt taggcggaaa ccgcggccgg aagctgacca gccggtaaag acagaggaan 180

agtcattgaa gctagaggat gaaaccggta acaaagtcaa gcatgtncta aaaggagtga 240

cttgcagagc caaaccatgg gagattcttg ctattgttgg cccaagtggt gcagggaagt 300

cgtctttgct tgaaattcta gctgctagac tcatccctca aaccgggtcg gtttatgtca 360

acaagagacc ggtggatana gccaatttca agaaaa 396

<210> 6754
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G3

<400> 6754

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ttccgggtgt tttgaaagaa ccccgacaat ggcgtggaac gtgttcaagt tctgcacagc 120

acttcgcgcc ttgggttcga tcatgatctt aattgttatc gggatcatcg gattcacata 180

ctacgccgtt gtcgtcgtta attacggacc tgctctactg atcggtggtg tcgattcatt 240

actatctgtt ctcgtcttag cgttcttcca ctttctgctt ataatgctac tgtggagtta 300

tttctctgtt gttgtgacgg accctggtgg tgttccaacg ggttggaggc cagaattaga 360

catagagaaa accaagggaa accaagcttt gattgggaga aaccttcggt tggagaatcc 420

cccgtcctca atgggtgtta agaataattg gtagaaaagt gcaatcaata ttaaancggc 480

ctcgttccca acaaattggt caagt 505

<210> 6755
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G4

<400> 6755

ccgnaagaga caaaagaaaa nnacgggaat attccggcga agattgagac tctcaatatc 60

caatggagaa ntattcccgg cggtctattc tcctttccac ggtggtcgcc gccgtgttat 120

tctctttaat tccggtttca atctctattc ccttcatact ctttcacgga attggagata 180

aatgttctgg tggagttagt aacttcacgc aactcctaac caacctctct ggctctcctg 240

gctattgctt agaaatagga aatggagaaa aggactcatg gttcatgcca ctaanaaaag 300

canacaagtg tagcgtgtga gaaaagtgaa agcgatgaaa agtgttaaag tcaaggggta 360

caacattgtt gcaanagtcc ccaaggnaac ttaagtttgc taagaggact aatcnaattc 420

tggcgaaaat ggctcctccc ggntaaaa 448

<210> 6756
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G5

<400> 6756

acgcgtccgn aacaactctc tcctgtaaac gaaacaaaga aatggctgga caaaagcaag 60

agcttcccgt ctccggcgaa cctttagccg tcgagagtcc nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtgcctcaag 180

aggtcactaa tggtgtannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgatgt cccggagaag aagcttgaag 300

ctgaggattt agganaaagg agagagtgaa caacaagaag ggttgttgtg actggggaaa 360

ngtttggaag aagcanagta cgcaagcttt tgaaagactt ttgcctgaat ccaattttgc 420

cggagaatgt tttagattgt tgtaagactt tcgag 455

<210> 6757
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G6

<400> 6757

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ttagaaaatg tcaggtcgtg gaaagggagg caaaggtttg ggcaaaggtg gagccaaacg 120

tcataggaag gttctgagag acaacatcca aggaatcact aaaccggcga ttcggagatt 180

ggctcgtaga ggtggtgtta aacgtattag tggtttgatc tacgaggaga cacgtggcgt 240

tctcaagatc tttttggaaa atgttatccg tgacgccgtt acttacactg agcacgctcg 300

gaggaagacg gtgactgcta tggatgttgt ttatgctctt aagagacaag gaagaactct 360

ctatggattc ggtggttgag gattttaagt gttttaagag tgttgtctac gatttgcttt 420

agtgatttca ttttggga 438

<210> 6758
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-G7

<400> 6758

gccgnccggt aacggtccan aaattcccgg gtcgacccac gcgtccgncc acgcgtccgc 60

attttctagc tgtgttcctt ttctcagcaa ctctctcatc ttgcctcgta gtctcggctt 120

cgctcgtgga agggaaagtc tcttgtttcg actgtcccaa tgattatgat tattcaggaa 180

tcacggtcgg agttagctgt agccacacaa acacgcggtt cactgtaana actgacaaga 240

agggtgactt catatcggaa cttccctcaa agatcgaatc aaactgtgaa gcagaactcc 300

aaggcagcgt caagcaactt tatgcttcca agaataacgt taagtcgaag attgttaagc 360

ttggcggtga caaatatggt ctctcttcca aagttgttct tcntgaaatc atgtccaaga 420

agcttcggat ctttaagttc cgtccaanga ccgttgattt accaagttcc tcccgangtg 480

gggggc 486

<210> 6759
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-H10

<400> 6759

tcattcgatt attataggag gaaaccatgg agctaaggaa atctcaagtg gccatgcctg 60

ttttcttggc aataatgagt ctaatggtga gtcaagtggt cttcgccgag aaagattcag 120

gttcaatgtc ccctcatgat cgggcattag cagaaatgca agcccttaaa gcttcattgg 180

ttcggcgaaa tctaccggct ttggtatctc ctcctcctac ccctcctcag gccgtacccg 240

gtccgcgcgt gtaccaagtg atatcatatg gtgccgatcc cacagggaaa ttggatagca 300

cggatgcaat attaaaagct atggaagaag catttgatgg tccaaatcat ggagttttga 360

tgcaaggtat aaatgatctc ggaggagcaa gaattgatct tcaaggtgga agc 413

<210> 6760
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-H3

<400> 6760

cgttaacttn cgtagcctcc naaantccaa ggtcnaccnc ccgtccgcac acgcancngg 60

attcgttgga ncttgatccc nccgtggaaa tgggtggttt ccggtttcac aagtatcagg 120

tggttgggag agccctcccg acagagaacg atgagcaccc taagatctac aggatgaagc 180

tttggggtag aaatgaagta tgcgccaagt ccaagttctg gtacttcatg aggaaactga 240

agaaggtgaa gaaaagcaac ggacagatgc ttgccatcaa tgagattttc gagaagaacc 300

caacgaccat caagaactac ggggatctgg ttgcgttatc anagccgaac tgggtancac 360

aacatgtaca aaggagtacc gtgacacaac actcaatggt gggantggag caaatgtnca 420

ctggagatgg cttctccgtc aagagagtga ggttcccttg cattcagatn atcaagactg 480

cgactgtccc t 491

<210> 6761
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-H4

<400> 6761

cgggtccanc cacaatcaag aaccacgcgn ntcncncgaa ttcgtctttg aagaggaaga 60

gaagagaaga ggcgagggag atatggattg ggacaacgta gcagctgagg atgtgattga 120

ggcgcttaga gaagttgaat ggtcgacgcc tcctcgttcg tttggcgagt tcttctctag 180

attcgcgttc cctcgctctt tctctaaatg gaagagccgt ctcaaatgca atctctacta 240

ctataggacg aattacttta tcttggtgat tttcgttctg gggtcctgcg cttgttacna 300

gacctcctgg gctccttgtg gggtgctgct ccaaaaagct ttaaagtaaa gcnttccctt 360

aaacgacagt ttttgcaagc taagntttaa tgaggaaagt ttaatnagaa accgattang 420

ggaattcctc ccccaacann atggctgcaa aaaaatgagn 460

<210> 6762
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-H6

<400> 6762

acgcgtccgg ttgattctgc tgctatagtc aagtctcttc ctggtttaga aggccgtctt 60

cctttcgaac tcgaaaccgg gtttgtaaaa tgtacattgg tattggagag gaagaggaca 120

tacaattgtt ctactatttc atcaaatctg agaacaatcc aaaagaagac cctcttcttc 180

tatggttaga tggaggacct ggatgttctt ctctcggtgg ccttcttttt gagaacggac 240

cggtggcttt gaagtctgcg gtttacaatg gaagtaatcc ttctttgttc tccactacat 300

attcatggac aaagatggca aacataatat acttggatca gccagttgga tctggtttct 360

ccttactcaa gaactccaat tgggaaaatc tagtgacaca agtgaagttn agangatcca 420

agangtttcc ttcaaaag 438

<210> 6763
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-H8

<400> 6763

acgcgtccgc ccacgcgtcc gcccacgcgt ccggtctgat tgcgnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntcatcaatg gtgacggacg 120

atagcaactc ctctggacga atcaagtcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt gagcttaaaa ggaaaattca 240

aggagaaaga gttaggtcta ttaaagagaa atttgaggct aatagaaaga aagtggatgc 300

tcatgtttct ccctttttcat ctgctgcatc gagccgagct accgcagagg ataatgggaa 360

atagcaatat gctttcttcg agaatgagaa tgccactctg caagttaaat ggtttttctc 420

atggtgtggg gagataaaga 440

<210> 6764
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-F4

<400> 6764

ctgtttacgc ctgnccgtac gcctccaaaa attccaaggt ccacccaccc gtccgggagc 60

agcctgagca ggaggaanaa nacgaagaan aagaggagca gctactacca tggttctcaa 120

gacggagctt tgtcgtttca gtggacagaa natttaccca ggaagaggaa ttangtttat 180

ccgatctgat tctcaggttt tcttgtttct taactcaaaa tgtaagaggt acttccataa 240

caagttgaag ccatccaagc ttgcatggac tgccatgtac agaaangcaa cacangaagg 300

atgcagcaca agaggctgtg aanagaanga gacgttccac caagaagcca tactcaangt 360

ccatngttgg tgctaccntg gaaagtaatt caaaangana gagagctgag aaagcctgaa 420

gttcgttgat gcanccaagg gaagctgccc tgcgttgaga ttaangga 468

<210> 6765
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-D10

<400> 6765

gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnaa gacaagaact tgatgttcat gtcttgaaac ttaacaaagt attgatcttt 120

ccttttaagt aaagaatttg ggggttacac aacttcgtct agatggagca agagaaaagc 180

ttggatccac aactatggca tgcttgtgca ggatcaatgg ttcaaatccc ttcactgaat 240

tcaacggttt tttacttcgc tcaaggccac acagagcacg ctcacgcgcc tcctgatttt 300

cacgcgccgc gcgttccacc tcttatcctc tgtcgtgtcg tctccgtgaa gttcctcgcc 360

gacgctgaaa cagacgaagt ttttgctaaa attacgcttt tgccacttcc ggg 413

<210> 6766
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-D12

<400> 6766

gtctctatta ttctctaatc tcttcttcgc cgacgacttc tctcaccaag gcgacgtttt 60

gatcaggcga tgatgagtat cccaatggag ttaatgtcta tcagaaaccc taattccacc 120

ttgctctata gagctcactc tcgtccgcct gtgaagctct gtgctccacc tcgttctctc 180

ctccctagcc gacgccattt cagtgctcct cgagctgttg tttcgtatcc aggaatacgt 240

ttcggcttta cctcgccgga agtcttgctt aatcgatccg tcgttgcttt cgctgcatcc 300

cacgaggatt cgggagaatc aggtgttgag gtggggaagg agaagaatga tatagatgtt 360

tgaagatgat acatctaaag gaagcnatg 389

<210> 6767
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-D4

<400> 6767

tngtcgtagc ctcgaaattc cnagggtcna ccgacccgtc ggntcaaata naaccatcaa 60

tggttaacgg acgaagagan aantantctg gtgtcaccgg cgccagtggc tgcatcggct 120

cgtggctggt ccatcagctc ctcctccgcg gctactccgt ccacgccacc gtgaaaaacc 180

tccaggatga gaaagagacg aaacatctag aaggtctcga aggtgcagcc acacgcctcc 240

atctattcga gatggatctc ctacaatacg acaccgtttc cgccgccatc aatggttgct 300

ccggcgtatt ccacctcgca tcaccttgta tcgtcgatga aagttcanga ttcccangaa 360

gcaactactt gaccccggcg gttaaangaa ccatnaatgt tctgaacggg cgggcaaaaa 420

gaaagccaag ttgttaagga gagttgtttg gtgacgtctt cgatatccgg cgattnac 478

<210> 6768
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-D7

<400> 6768

acgcgtccgn ccacgcgtcc gcccacgcgt ccgctgggtt tttccttact ctctaagaaa 60

aaccactact ttggtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnt 449

<210> 6769
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-D9

<400> 6769

ttcnaccccg ggacgtaccn agtccatgaa attcccgggt ccgacccacg cgtccgacca 60

cgcgtccggt cggatccaag gagattcgta taatcacaac cgtgcgatga atctgtggaa 120

gatgggaggg tttttgacta acagctacag tcctaagaag tttcgatcta ggcanaaaaa 180

gctttgcttt ggtccaacta ctatgcctga ttgtgtcgtt gtgtttgatt ctganaggaa 240

gagctctgtg atacttnagg catcgaagcn tcagattccg gttgttgcaa ttgtggaccc 300

gaatgtgcca ttggagttct ttganaagat tacgtatcct gtgccanctc ntgattcggt 360

caagtttgtg tatttgttct gtaatgtgat caccangtgc tttttggcag aacanatgaa 420

gttggggatc anagaangga gcaatgaaga tttgatgaat gatttagnct g 471

<210> 6770
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-E3

<400> 6770

actgttacgc ctttccgtag gcctccnaaa ttcnanggtc gacccacgcg tccggttttc 60

tgtatcactg aacatgatga ggaaaaagtg aaatctgttg tccgaacaat cttcaccctg 120

ctaatgtctg ctgacgccga tacaacaaag aaaattgtat ccaaattaaa acgccgactg 180

catatggaga gtcaggaacg ccaattgaca gacaaggaac ggctggtttt gaagctagag 240

aagcaatatc caaatgatat tggagtgata tctgcattct tcttcaacta tgtgaagctc 300

aatcctggcg aagccttgta tcttggtgca aacgagcccc acgcatactt attcggtgag 360

tgccttgang tcatggcgac ttcagacaat gtactacgaa gctgggctca attncaaagc 420

ctcctggata ttcaaacacn ttggttcaat gctcccctta aaaactgggg atatcccgga 480

aatcctgaag ggaacaagga 500

<210> 6771
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-E7

<400> 6771

ntacgccggc cggtaacggt ccaaaaattc ccgggcngag aagcttctag cgtctagtga 60

tcttcaagga gcaaagacat ttgcgatccg cgcatgcgaa gctgacccga cccgagcaga 120

agctgcagac tacatcctcg caatctgcga cattcttctc gccggagaga ctcgtttagg 180

tgattccaac ttgccagact ggtacgccgt tctccgactc ggtcgtttag ctcaaaaccc 240

tgaacacgtc gcgactcagt accgtagact cgctcttctc ctcaatcctt ccgttaatcg 300

tctcccattc gccgatcgag ctcttaaaat cgtctccgat gcttggttcg ttctctctga 360

ttcgttcaag aaatcattct acgancgaga aattgcaaac ttaagtcaac tcggtcaatc 420

tgggattcca tcctcaaacc caatcgcatc aaaatttcca agtgggaacc taacagtagc 480

accgccgtat 490

<210> 6772
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-E8

<400> 6772

attcccgggg ngcgatcttc aaccgaagag aacgagtatg tgcgatcttc caccgaagct 60

ggtangggag aagatcctca cgaggattcc gataacatct ctgagagcgg tgcgatccac 120

ttgcaaatta tggaacgctt taaccaaaga tcgggttctg ggtaaagcag cggcgcagtt 180

tttggggttt atgacgatgg attcaaaggt ctgttcagtt agattccatc tccgtcgcag 240

caaggaggaa gaagaagaca cgatggatct atctataaag caggtagatt tgcttaatca 300

agtcgagata tctagagtgt atcactgcga cggcttgttg ttancgtggc taanggacaa 360

ctcgaanggg tccntggttt gggaanccct taatttgggg gcaanacaaa gatgggattc 420

agaacccang aancangaat ccaaccatta ggaagacagg ccaatgctcc ttgg 474

<210> 6773
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-E9

<400> 6773

ttctccacgc catttccaga attttcaggt gttcgtgaaa agatgaattt taagaatgtc 60

aaagttccca aaggtcctgg tggtggtgtt atagctgcgg tggttattgg ggggctcagt 120

ctttacggtg ctacgcacac tctctacaat gtcgatggag gtcatcgagc cattgtcttt 180

aaccggcttg ttggtatcaa agacaaggtc taccctgagg gtactcacct tatgattcca 240

tggttcgaaa ggccaatcat ctatgacgtt cgtgcaaagc cttatctagt tgagagcaca 300

tctgggagcc gtgatctcca gatggttaag attgggcttc gggttctcac ccgtcctatg 360

gctgaccaat taccaagagg tataccggtc ccttggtgag aattaccgcc gag 413

<210> 6774
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-F1

<400> 6774

actgttacgc cttcgtagcc tccnaaattc caaggtcgac ccacncgtcc gcatcaagng 60

ccgggttctc gggtcggatc ttctaagtct agctanggat aatggctact gtcactactc 120

atgcctcggc ctcgattttc cgaccttgta cttcaaagcc aagattcctc accggttctt 180

ccggtatgtt gaaccgcgac ttgtcgttta catcgatcgg ttcatcggcc aaaacgtcgt 240

cgttcaangt tgaagctaag aaaggagaat ggttgcccgg tttggcatcg cctgattatc 300

tcaccggcag tcttgccggt gacaatgggt ttgacccgtt gggtcnagca gangattcaa 360

gagaacttga aatggtttct ccaagcaaga nctgtcaaac ggaccaatng ggctaagccc 420

cggtgtccnc tgggaangcc ttttgcccgg aaagttttca accaaagatt ggnaatcaat 480

aaatgttccc tgaantggta acgaatg 507

<210> 6775
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-F11

<400> 6775

acttttgccc cgnccggtac cnagtccana aattcccggg ccaaaaccaa ncacacgaaa 60

caaaaatcta aatttctttc ttggtctgct ttcaatatgg ctcctctacc tatttcttcg 120

attagagttg ggaaaataga tgatgttcaa gaactcataa aatccaaacc aaacaaagtt 180

ccagagagat tcattagaga agagtatgag agaggagtcg ttgtgtcgtc tcttaagact 240

catcatcttc atcatcagat tcctgttatt gatctctcta agctctctaa acccgacaat 300

gatgattttt tctttgagat tcttaagctc tcacaagctt gtgaagactg gggatttttc 360

caggttataa atcatgggat agaagtggag gttgtggaag atatagagga agtggcttca 420

gagttctttg atatgccatt ggaggagaag aagaagtatc caatggagcc aa 472

<210> 6776
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-F12

<400> 6776

agatcaacca tcttttcaag aagaagaagc tgctaaagtt ccttatgttg gtgataagga 60

acctctgtct agtttagctg cagagtatca atcagggagt cccattttgc tggagaagat 120

taagatactg gacagtcaat atatcggaat ccggcgaaca agaggagatg gaaattgctt 180

cttccgaagt tttatgttct cttaccttga gcatatattg gaatcacaag atcgtgctga 240

agtcgatcgt atcaaggtca atgttgagaa atgtagaaag actctgcaaa acttaggtta 300

tacagatttt acatttgagg acttctttgc gttgttcctt gagcaactag atgacattct 360

ccaaggaact gaagagtcta taagctacga tgagctggtt aacagaagta ga 412

<210> 6777
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-F3

<400> 6777

acgcctgtcc gtacgcctcc gaaaattccc anggtcgacc cacgcgtccg cncacgcgtc 60

cgaataattg agtttttttt taattagaaa caaatggggt tgagtggtgt tcttcatgtg 120

gaggttgagg ttaagtctcc ggctgaaaag ttctgggtag cccttggcga cggcatcaat 180

ctcttcccca aagctttccc taacgactac aaaaccatcc aagttctagc cggcgatggc 240

aacgctcctg gctccattcg cctcattact tatggagaag gatctccact ggtgaagata 300

tcggcggaga aggatcgaag cagtggattt gggagaacaa aagcatgtcg tacagcatca 360

ttggcggaga aatgtttgga gtactacaaa accttcaaag ggaccaacaa cgttaacccc 420

aanggatgtg ggaancctcc tgaaatggtc cggtgaattt gagaagaacg cccatgagat 480

ngatgattca cat 493

<210> 6778
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-C2

<400> 6778

acgcctccna aattccaagg tcgacccacg cgtccgcgga cgcgngggct cttacccata 60

aaaagttttc acctttaatt cttgtcctcc gcttttccat tttactcttc ttgtatgttt 120

ctgtcttctt actcaacttt tgcttcaggc ttcgtctctt ttgcaatttt tgagttagcc 180

aagtgctcaa gggagataca taatacctga agatgtccaa ggcaagtgat gccgtcagag 240

aaccattggt ggacaagaat atggctggat caaaaccaga ccagccgtgg atggtttatc 300

tcangcacat tcgttgccgg tctgtggttc ttttgcgttc cggttcttgt gcgggataat 360

ccttcaacct gctcangctg caaattaagg natggacctt tcaantganc aatagcctga 420

agttttcact cctttgggtn cttaactaac ntttggggca aatgnattcg gtgctataac 480

aaacgggg 488

<210> 6779
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C3

<400> 6779

agctagaagc atttgataaa gcttggtgct cttaccttga gggttttgta gtctggaaaa 60

ttaatgatgc taagcttcta gaaaaagatt tagccagaac tcaagagtct gagctgtctg 120

aggtatcaaa acatacttcc tctcccaaaa taatagacag tggcttgaat cagaagacgg 180

taaaggcatc ttctccaact aatcgggctt tattctctga aactgatgga gcacgagaat 240

caaaagcacc tgcagattcg catcttccat cttcatcttc accttcaccg ggctcatcga 300

atttgtcacc ctctttgaac tctgcaggga gcgaggccat ttctactcca aacgtggtag 360

ntaataactt tgntgcaacg ttttggnaag tgagaaccca antaaat 407

<210> 6780
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C4

<400> 6780

aagtcaaaag gtttcgcttt ctagatcatg tccacatttc tcctaacatg gattattatg 60

accgtcgcgt taagcgtaac gctttttctt atgccgcaac aaacaaatgc ggctagagcg 120

ttcttcgtgt ttggcgactc actcgtggac agtggtaata acaattactt agtcaccact 180

gctcgtgccg attctccacc gtatggaatc gattatccga ctggtcgacc aaccggtcgt 240

ttctccaacg gcttgaacct ccctgacatc atcagtgaac aaattggatc tgagcctaca 300

ttaccaattc ttaaccctga actcactgga gagaagctat tgatcggagc taacttgcct 360

cctgccggna ttggaattct caacgatact gggggtccaa ttttggacca aacctnaggg 420

tttgg 425

<210> 6781
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C6

<400> 6781

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tttcttcgtc acctactact actaactcca agctcaagct cctctgtttc ttctgcttgt 120

ggttaaaaat catttcagac acagtgcttt tgatgactct ctgcaacaaa caacagcagc 180

tgcagacaaa gcttatacga agctgtatct actgactttg atggtgaaat atcaaaaacc 240

ctaaattaat tttaaaaaaa aacacatttt ttttcttctt ttggtttttc ctctgagggt 300

attcatcatc aatgcttana aagtacagtg ggtaaacaan ncaanagcaa agacccattt 360

ttttctccnt cctttaaagc ccaaaacnan ccccnaangg ntttggtttt taaantttgg 420

ggg 423

<210> 6782
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C8

<400> 6782

acattaatgg gtcaaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn naaagttttg tcgcagtatc tattgttctt acagagagaa 120

aggaaagctt tagtctttta ccagtttgat ccaattctgg gtttcactga aaaaaaagtt 180

gggagtttga ttcttctaac tgtagaagaa acagagtcaa cagaagaaaa ctaaaaaagt 240

tgagattttt ctctcacgcg ctcaagaact tgagtatgtc ttcttctgta gcagtgttat 300

gggttgctac ttcttctcta aatccaagac ccaatgaaca attgtgggtt ggtaagggtt 360

ctagaatcct ctaanactgg gtccccccctg gc 392

<210> 6783
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C9

<400> 6783

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catcaaagct cacggtgaag gttgttggcg ttctcttcct aagatccgcc ggtcttcaac 120

gttgcggaaa aagctgtcgt ctccgatgga ttaactatct ccgacctgat ctcaagaggg 180

gtaacttcac cctcgaagaa gatgatctca tcatcaaact acatagcctt ctcggtaaca 240

agtggtctct tattgcgacg agattaccag gaagaacaga taacgagatt aagaattact 300

ggaacacaca tgttaagagg aagctattaa caaaanggat tgatncggcg actcatcgac 360

ctatcaacga gaccaanact tctcaaggat tccgtctgan tctngttaan acagagggan 420

cctccttgtc aagaatt 437

<210> 6784
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-D10

<400> 6784

ngttatccgc cggtaccggt caaaattccc gggtcgaccc acgcgtccgg attatttttt 60

ctgatctgag aaaaaaaatg gcgaatggag ctaatagagt ggatctcgac gggaaaccga 120

tacaaccgtt gacaatatgc atgatcggcg ccggaggttt catcggttca catctctgtg 180

aaaagctctt gaccgagacg ccacataagg tgcttgcgct cgatgtttac aacgataaga 240

tcaaacactt gcttgagcct gataccgttg aatggagtgg tcggatccag tttcatcgta 300

tcaatattaa gcatgattcg agacttgaag gtcttgttaa gatggcggat ctgattataa 360

atcttgctgc gatctgtact ccagctgatt acaatacacg tcctcttgat actatctaca 420

agcaatttca ttgatgcgct tccaagtttg tgaaaatact gttcctgaga acaacaagcg 480

tcc 483

<210> 6785
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-D12

<400> 6785

tgtttatccg ccggcnaccg gtcaaaaatc ccgggtcgac ccacgcgtcc ncccacgcgt 60

ccgaagcaag caaaatgaaa gaacttgtgt tgaagaaaag gtcagaacta gaggagatat 120

gtaggaaaac ccacttgttg ccagtgtcag acagtgctat agatcagact atcgtggcga 180

tagaatctgg tattgtggat gctacaatgg tcctggagca tcttgagcaa catatatcta 240

agatcaaaga ggaagcacta agccgaaaag agatacttga aagggttgag aaatggttat 300

ctgcctgcga tgaagaaagt tggcttgaag aatacaacag ggatgataac cgatacaatg 360

ctgggcgtgg agctcatctt actctcaagc gcgctgaaaa agctccgtaa tcttgttacc 420

aagctcccaa ggtatgggtt gaaagcactg ggcctcgaaa gacaattagt tttggggaac 480

aagaaaacgg 490

<210> 6786
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-D7

<400> 6786

gaaagtgctg acttgcagtg actttgagca tgaaatagca tcaaagcttg ttctagaagc 60

tcttttcttc aaagcacgaa gccccacaca gacaacgtag cctagcctcc gaagaatctg 120

catccctgaa ccgccgcctg atagagaggg cttacaaata cagacccgtc aaagtggncg 180

agtttgagct tcctagaccg cagtgtgtag tctacctana cttgaaaaga gaagaatgtg 240

ggggactgtt cccgtcgggt agagtgtatt cgcaggcctt tcacttggga ggtcaagggg 300

tttttcctgt caagctcact gcaacatggn ccaacagagc tcgttccact gtttcngggc 360

<210> 6787
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-D8

<400> 6787

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cctaattcaa acacaaagag aaaacgaagt ttaggccaag ggaaggcatc tggtgaaagt 120

ttagttggnt cgaggatcaa agtctggtgg cctatggtcg caaggctgaa acttanagga 180

attgacggaa gggcaccacc atgagtggag cctgcggctt aatttgactc aacacgggga 240

aacttaccan gtccagacat agtaaggatt gacagactga gagctctttc ntgattctat 300

gggtggtggn gcatggccgt tcttaattgg tggaacgatt tgtcaggtta attcccgttt 360

aannaacgnt ncctcangcc tgggcaactt cccg 394

<210> 6788
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-E8

<400> 6788

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gaagaataaa tggggttcct taagccaacc atggcgattc tttttctagc gatggtcncc 120

gtttcatcag ccgtggacat gtcaatcatc tcctacgacg tagaaacatg gcgtctccan 180

caccggtggc cgtagcgaag ccgaggttat gaggtatcta cnaggcatgg ttggtgaaac 240

acgggcaagg ctcacagcca ganctctctt gttgataaag atcgacngtt cgagatcttt 300

aaagacaatc ttcgtttcgt cgatgancat aacgagaaga atcttactta taaattgngt 360

ttgactcntt ttgcnggttn tagnaaccna nnggtnttga tttaaaattn ccttggggct 420

taaggatggg aa 432

<210> 6789
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-F10

<400> 6789

actctgatga tattggatca ggacattgca tcgatgctgt taaaaaagtt acttggttca 60

tttcccctcg atccagaaaa caatctttat ggaaagggtg atgataagta ctttaaactc 120

aacagtgtat tgacagaaat ctttttggaa gtaagtgaat ggagccacct tcctactgat 180

ctttccaata gatatctgga atttattgag aatacactac taggcaagat caccaggagc 240

attaggcttc gtaaagatat tcacgaaaag actttacttg cactcttgcc ctttcttcca 300

aaacttattc tgagggtaga ccgtgattgg agagataatc ttctggaggc atttactatt 360

accttcagcg attgcaaacc aaagtctaaa ctccaaatta ncccggaatt tcaactgtta 420

gaagacat 428

<210> 6790
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-F4

<400> 6790

attctcttgc taaactccat catcttctct ttctttttt tcacttgtcc catttttta 60

tattttcatc tttctctttt ggagtttctt cttctactga ctctactggt aggtgtangg 120

atttgtgaga gaagaanaaa aagcanaatc tttgaatgga ctggaatttc aaacttagct 180

ctggttattt atctggattc gatcaagaac canatttatc accaatggat ggttcgatct 240

cgtttggtgg gtcgtnacag tcaaaancgg ntttttcatt tgatctaaaa cttggnanga 300

aacattggaa actcntcctc tgtttttggt gatacaanng caagtgatta ngcttaataa 360

ntggnaagat agtgccttag ccnaanccag aaaggtcaag gaagctcgag ttcaaaggag 420

aancaa 426

<210> 6791
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-F8

<400> 6791

acgcgtggga aaagaaaaaa attctataag taatctttat tttgctaaag aaaacataga 60

aatctgtttg caaagaagaa gatatgggaa acagtttacg gtgttgtttg gcttgtgtac 120

ttccatgtgg agctttagat ttgatccgta tcgtacatct caacggccac gtcgacgaga 180

tcactagtcc aatgaccgcc ggcgagattc ttcaggcgaa tcctaaccat gtcttaagca 240

aaccttgttc tcaaggagtt gtgcgtaaga tcttgatctt gtctcctgaa tctgagctta 300

agcgtggaag catctatttt cttatcccgg atacttctat gccggagaag aagaaaacan 360

agaagagaaa agagctccga tgncggaaaa aacccc 396

<210> 6792
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-F9

<400> 6792

cacaagaaaa gttagagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn ggcgattttt tccagagatt ctccgattct cnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnttt tcgattcgat tgatgtgaaa cgctcctact 180

tgattcccgt cgtctgagat cggagttatc atcgangatt gataatggtt cccgaatcat 240

catcgaggat aatgagtttt tctggcgatg atttcgaatt cgatattgat ttcnaattcg 300

atgcaccgag gttctatgat ttctctagac ctgagcttta ttccgangac tgaanaaatc 360

gaaatctggg ttcaancctc tgggaactan ccccccttcan ccttttttagg cccaaangtt 420

ca 422

<210> 6793
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-G11

<400> 6793

caaaccaacc ttctagattc ttctccttcc ttcttcaact ctctctcact tctccagata 60

tggttacatc tccgacgaac tcaacaatca aatttctctg tagctatggc ggcaaaatcc 120

tacctcgtta tcccgacggt aaactccgtt acaacggtgg tcacactcgc gtcctcgccg 180

ttcctcgctc cgtctcattt tccgagttag cgtcgaagat ggcggagatg tgcggcggcg 240

tcggcggatc tataaccgta acgatccgat gtcagcttcc gacggaagat ctcgacgcgc 300

tcgtttcaan tacttccgat gaagatctag tgaatctaat cgaagagtac gatntccgtt 360

tcctcttcat ctccgatgaa aatcaggagt ccntctaaaa tccaccaaaa tcngccgccg 420

gg 422

<210> 6794
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C12

<400> 6794

tccgcccgct acggtcaaca tcccgggtcg acccacgcgt ccacgaacan gtcgtggtga 60

gattttagga atgacgaana agatggagag tatctggcga atcgcgacgg gacaagatcc 120

gagccgtgaa gattancanc ggatcgagtt ctggtcaaac cctgagcgtt ctggttggct 180

cacaaagcaa ngcgattaca tcaaaacctg gcgtcgtcgt tggttcgttc tcaaacnagg 240

gaancttctc tggttcaaag atcaagccgc tgctggaatt ccntggatct acgccgcgtg 300

gtgtgatctc cgttggtgat tgtctcaccg tgaaaggagc tgaagatgtt gtgaataagc 360

cttttgcttt tgagctatcn agtggtagct ataccaatgt tcttcattgc tggataatnn 420

agaaaggncn aanganaagn gcntnaantc naantgggaa natcgattgt gcaaacactc 480

n 481

<210> 6795
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-G5

<400> 6795

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nngacgattc gtggaagaga cttggagaga atatttctca atgtctcctc 120

tcccaatctt ccatcgtctt cctcacgcca cgttctcttc ctttctcctc tcactgtctc 180

aagctggaag ttctaaaaca tcagtggcat tcctcaatgc cttcaaatca gaagatatca 240

ttgctcgaat tggactatgg tggcagctta taagggctgt tgtagttgta cctgtcttca 300

agttcctggt gcttctatgt ttggtcatgt ctgtcatgtt cttcgttgag gttatgtaca 360

tggggaatcg ttgttttgta tgtcaagctg ttcaaggaga aagccaaga 409

<210> 6796
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-G9

<400> 6796

antcccgggt cgacccacgc gtccacccac gcgtccggtt gtttgaattc gagaagttcc 60

cggaaacatc cctccgtaga aaattcatcg gaggcgactt gaggagaaac acggaagctc 120

cgatctcaca atttcgcgac gaactcgctt cagcgattgt ttctgttcat ccgattaaga 180

tgaacggagg tccttccggt ttcaataatg ctccggtcac gaaagccttc gtcatcgcga 240

ctgctctttt cactgtgttc ttcgggatcc ggggaggttc ttccaagctc ggcttatctt 300

accaggatat ttttgaagaa gtttcggatt tggaagttaa ttatatcggc ttttgccttc 360

tcgtccacaa ctcaattgct ttctggctta ganttgctat 400

<210> 6797
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-H10

<400> 6797

acgcgtccgg ctacatgctt gtcccttacg ctaccttctt tgttcctcct ggaaccggag 60

gtggaggtgg tggtactcca gccaaggatg cccttggaaa cgatgtagtt gcagcggaat 120

ggcttaagac tcatggtccc ggtgaccgaa ccttgaccca aggattaaag ggagatccga 180

cttacctagt tgtagagaac ganaagactc tagcgacata cggtatcaac gcagtgtgna 240

ctcancttgg ntgtgttgtg ccatggaaca aatgctgaga acaagtttct atgtccttgc 300

catggatccc aatacaacgc ncaaggaaga gtcnttagac gtccatcccc attgtccnct 360

atcgttg 367

<210> 6798
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-H7

<400> 6798

ttttttcgcg ttttccaccg caaccaccgt caccttcaac cgccggagcc gccgcaagga 60

aggctcatca tccgccgtgg caatttttg aggtgtacaa agcattgcct atttgacgaa 120

ccaggaaatg gttaaaaggc atggagagtt ttgatttaca agatatatca tgtcgcagtg 180

catagacggt ttcaagcatg tatgctcctc ttttttccgg tgttttgata tcnatattta 240

caancaatct ggaggccttg gtgaccctga acttcttgcg acagagacag tttttaagcg 300

tgagtgaaat agaggctctc tatganctgt ttaangaana tcagcagtgn tgtgattgat 360

gatgggctan taaacaggaa naatttcagt tagcttggtc aaagan 406

<210> 6799
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-H8

<400> 6799

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aaccatgctt aggtttgatt acttactaat cacggcactt gccatttcaa ctgtttcggt 120

tgtcatggcc caagtccctc ccgagaaaca attcagagtg ctcaacgaac ccggctacgc 180

cccatacatc accgagtacg acgcgagtta ccgattcctc aactcaccga atcagaattt 240

cttcacaatt cctttccagc tcatgtttta caatacaact cctagcgcct acgtgttagc 300

tctccgagtc ggaacgaggc gtgacatgag tttcacgcgt tggatctggg acgccaatcg 360

caacaacccc gtcggagaca actccacact ctcattcggc cgaaacggaa acttgtgctc 420

gctgagttaa acgggcaaag tcaagtggga agacnaaca 459

<210> 6800
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-A11

<400> 6800

gncccgtgtc aaatcaagan ttcgccgggn cacgcgtccn ctcncctcca tatcttaaca 60

atttcatagc aaaccctaaa attgagaaag agatanagag agaaagatgg gtacgaggaa 120

agatcgagat aaagaggata gagaacgcan acaacagagt ggtgacgttc tcaaagagga 180

ggaatggatt ggtgaanaag gctaaagaga tcacagttct ttgtgatgca aaagttgccc 240

tcataatctt tgcaagtaat ggtaagatga ttgattactg ttgtccttcc atggatcttg 300

gtgctatgtt ggaccaatac caagaagtta tctgggcaan gaaactatgg gatgctaagc 360

atgnggaacc ttagcaatga gattgntang atcaacaaat agaatgntan cttacaactg 420

ggagctcang catttnancg ggagaagata tacagtctct caacntgaaa aatctg 476

<210> 6801
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-A3

<400> 6801

gttaggcccg ccggtaccgn acnaacanng gtcgncccac gcgtccggag nttactgagt 60

cggaacaaca tcagccaata aagccctgaa ccctaatttt cttttggctt tggctggaga 120

acgactgtan gtgtgttcaa caatgtcgtc gaggaacttc aatccatttc aaaactggtt 180

cgagaaacca ccgaacccag tcccgtccat caacttcgtc tcgctcgctg antccttctt 240

tcccaagtcg cagtctccga atttcncttc gattggactt ccaaaattct caaagaagtn 300

cccaaaaccc gaaacagcag gaaccgacga accaggaccg tacaagcaaa tagcnagatc 360

agttcntatg ggagtgtgag aacataccgg attacaggca cactccagaa gtggggtnaa 420

gcntctcaac gaaagattca ngntttccna gaancgaagg ggaatcccgg gcnccg 476

<210> 6802
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-A5

<400> 6802

cggcncggtc gaacaaaaan nggcggncna cccacgcgtc cacccacgcg tccgctaaaa 60

tttttcagtt ccccgatcgc cggaattttc gccggtgatg taattttccc gcgccttttt 120

tgggaggtga attttttttt cttcnaaaag ctcgagaaga gtgaaaaccc cagaaatgac 180

cttgcgattc gtatggctcc ggntgttttc gctaccttaa acgaaccgtc gtaccaggaa 240

caatgcggcg ccgtttttat gaggaaattt acaaaccaat ccgtcaccga aaacaccaat 300

aaccttccgc tcttcaaccc taacccnaac cctaatttcg aaaggagcaa ttcgagcaag 360

cagtgcgatg actcgtcgga atttggaang cnatgcgacn tttaatctcg ctgggnacac 420

cgcaagncag gngcacggga nctaagaaac ggcct 455

<210> 6803
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-A7

<400> 6803

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ttccaatggt tttgcgtggc gaagagcttg agtttaatct aagagaatgg gcacgacaag 120

gccatttaac tcgcgaagat caaagttcta gaaggttctc tgcctcttgt atccgaagct 180

tccgagaaga ccacaagtct tgtacaacaa acgtcaccat ctctagtact gcctcttctc 240

cgggttactc cctcaaagat gagatcgatc catcaaatta ttccttcagt agtgcactca 300

aggcattgca agcaaaatca gtgtacaaga agaattggga ttggttgaaa ccagaaggag 360

ttgagctaaa ctcgaaatgg aacgaagcag ngaagtatat atgcagtcct ttatctgggn 420

gaagttccct tg 432

<210> 6804
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-A8

<400> 6804

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ctgatctttc gggtcagttg aaggaattta aggcagagct tgctctcctt cgtgtcgcta 120

aggtcactgg aggtgctcct aataagctct ctaagatcaa ggtggtgagg aagtcgattg 180

ctcaggtgtt gacagtgatc tcacagaaac aaaagtctgc tttgagagag gcatacaaga 240

acaagaagct tttgcctctt gatcttcgtc ccaagaagac tagagccatc aggaggagac 300

tcactaagca tcaggcatcg ttgaagacag agagggagaa naagaaagaa atgtactttc 360

caataangna gtatgccant aaaggggggaa gccntttaaa cccggg 406

<210> 6805
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-B3

<400> 6805

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aaaccatgcc gggatcactc gggcatgaag aacaanatgc caagacattt gcctcatggg 120

ggattgatta cctcaagtat ganaactgct aaaatacagg gacaagtcca agagaaagat 180

accctaagat gagtaaagcg ctgttaaatt caggaagatc catantcttc tctctgtgcg 240

aatggggaca anaggatcca gcaacttggg caggagatat tggcaacagt tggagaacaa 300

caggagatat ccaagataat tggnaaacca tgacattgat agcggatnag aatgatcgat 360

gggnatctta tg 372

<210> 6806
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-B5

<400> 6806

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tcaacatcga aagctcatgc tccaccgtga atccggataa aaccgatatt tccgggtcgg 120

gtcaaaagtt tcgtcgcggt tgttttacgg aggagaaagc taagcanttg aggaggaaaa 180

ccgcagaagc ttccacgttc catgacgtaa tgtatcactc cgccattgct tctcgacttg 240

cgtctgatat caccggccga gtcgaggatt gaaacggatt cgggtcagat ctggagacga 300

atcaattaat gaataattaa tctttttttt cttaattcan tgttcttgta ggatgcagac 360

catcttctat cggtgctcct ttttcaattg aaccgttggc ttgtgtttgg tcnttgtgtg 420

ttgtaaactc cagnttccct tcc 443

<210> 6807

<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C1

<400> 6807

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ggtgacatgg gaggaccang cagaacatta atancttcag ccgtctcaac aacaaagtcc 120

atgacctcga tgacgatatc aaatccgcca aggaaaagtg tgaaaatcta gaggatgcag 180

ggaacgagtt gatccttgct gatgaggaga tggtgcgttt tcaaatagga gaagtgtttg 240

ctcatgtgcc nagggacgac gtagaaacaa tnatanaaga gatgaagaga agcgacctgc 300

aaaagccttg agaaactcga gcaagagaag ggnatcaatt ggtaacacan atggcaacgc 360

tgaaanaagt attgtntgcc aagttcaaag gattccaacc aatccttgga gcnaaac 417

<210> 6808
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-119-Q1-E1-C11

<400> 6808

nagcactgag aagggaaaag atgggtgcaa ctgctccatt ttggcgattt tcagcagcat 60

cctatccaga tctcaaggag caagcgcctg ttagtgttct tcgaagtagc aaaaaaggag 120

ccattgtccc tcaaaaggaa acatcagcag ggggagatgt ttatcccgtt gagccatttt 180

ttgaccccaa ggtacatcgt attctcgacg ctcactgggg acttctcact gacgaagata 240

cgagtggact acggtcgcat actctatcat tgcttgtaaa tgatattcca nggagttctt 300

aatattgtga nctggtgttt tcgctcnaan gggatacant atccagagct tggccgtnnt 360

gacatgcctg aaaccaaggg catttcacgc attacaacag ttatacctgg caacagattg 420

aatcggtcag caaaa 435

<210> 6809
<211> 411
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-G3

<400> 6809

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aaacggaaag caatcgacgc cggacatggc tcgcagccga cggcgtatcg aggctcagat 120

ggtgtagatc tttctctcct tgaagcactt gagaagtctt cgcataatgg agtagaagcg 180

cttgatctta aaaccctaaa aaagcttgtc ctctccttcg agcggcgtct tagagacaac 240

atagctgctc gtctcaagta tgtggagaat ccagaaaagt tcgctgactc agaggttgac 300

ctacacgacg atcttcagaa gctcaaggtg ctcgctggag ctccggaact ttacccggac 360

cttgttgctt ccaatacggt tccttcgatt gtcaatctcc tctctcatga a 411

<210> 6810
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-D7

<400> 6810

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cgtgggctca ttagggtctc tctgtttctg ggcaaatttt cttcatctcc gccgttttgc 120

ttcaatacag atttctggga ttttttttac cgatcaaatt taggttttcg ttttcactca 180

gaaccttaga aaccctaatt ttgatacatt agctttagag aaccttccat cggatccgtg 240

tacaataaaa aagtttgcgt tttttttttc cttaaatcga ttgaacgtgt ttgaagatgc 300

ctccaaagca acanccaaag gctgatttgg cgaagaagca gaaacaagtg gaagacaaaa 360

ctttcggatt gaaaaacaag aacaagagca agaatgttca gaagtatgtt cagagtctca 420

agcaatctgt tcagccnaaa cccgatgcaa ctaaagctgc agc 463

<210> 6811
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-E2

<400> 6811

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attgactaag ttccactctg agatcgagga gctcctctac agcgatgttg agaacaaaga 180

gcacttatgt gtgctcaagg acaagaagaa gccgattctc ttcacaatgg ctaggcttga 240

tcgtgtcaag aacttgtcag gtcttgttga gtggtacggg aagaacaccc gcttgcgtga 300

gctagctaac ttggttgttg ttggaggaga caggaggaaa gagtcaaagg acaatgaaga 360

gaaagcagag atgaagaaaa tgtatgatct cattgaggaa tacaagctaa acg 413

<210> 6812
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-E3

<400> 6812

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ttcctcccta aagagagaaa ggatgtcctc acttctactg cttgttggac tgcaatggct 120

gctctgcttg tttgtctcaa cttcacaatc ggtccaattc aaatgctcaa actttatgga 180

attccttact gggtaatgcg ccgctgttac tcccctgttt cagcctgagc aatttgtgta 240

ttatttcctc tgccttactc aaaaaggttt ttatgtcaaa tacagataaa tgtaatgtgg 300

ttggactttg tgacttacct gcatcaccat ggtcatgaag ataagcttcc ttggtaccgt 360

ggcaaaggta aaaatacata ttctctggct tccactgttc tttgacnaca tcgctctttc 420

ttttaagggt taaancc 437

<210> 6813
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-E5

<400> 6813

tgaagatgtt gagaaacatt tcccgggtac actaacagcc attagagact ggtttagaga 60

ctacaagatc ccagatggaa agcctgctaa cagatttggt cttggagaca aaccagcaaa 120

caaagactat gctttgaaga tcatccaaga aacaaatgaa tcatgggcta aacttgtgaa 180

gagatcagtt gatgctggag acctttcact ttactgaaca tattttgcaa tgtcgactta 240

tgaggtcgaa taatgaatag actcaagatt cctatatcat tcttgttgtt tcctttcaat 300

tgagatgtaa acattgggat ttggattttg tttttcacca ttgatgactg agaagtaata 360

aaatgacttt ctgctttgga aaaaaaaaaa a 391

<210> 6814
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-E8

<400> 6814

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nnnnnnnnnn tcatctactt tcttcaacct tcgagtccat caatggtcac tctcgagacc 120

aacacaatca ttctatagat gatttcgaga gcattttcga catcaccatt gacaatttaa 180

gctgctctaa cgaactcacg tgggatttct ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnaa aagatcgagt actgatcaag aaggctcaag ttttgggttt tgggagaata 300

agccgacgga ttatgaagac aaagacttgg gtctgaagct gaatctgaac catcaagaag 360

ttatccgatg cttggtctga tcaccangaa acctctgtgg gacagatact tca 413

<210> 6815
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-E9

<400> 6815

ngtttacgcc gccaggaacc ggtcnaagaa ttcccgggga aaaaggtaac tgctttttca 60

tctcttaatt ataactcctt tcctctcttc tctctctctc ttccatggtg ggttcttctt 120

ttagtagatc tctgcaccac ccaaagccca aagctcaaag ctttgcacag aagatacaga 180

gagaaagaac cacatacaaa aaaaaagagt ctacttttct ttttgtttct acttgctatt 240

tattactttt cacaccacac cctctggtca aatgtctttc tctctactct tctttccttt 300

ggtctgagac aacagtagca agagtccgtg aaagaagaaa acaaaatgtt aagaattttg 360

aagaagatga gggaaaagga agcaacttta tctgtttatt tgacttgagt ctcttcgatc 420

tacatctgga ttttgcaagc aattcctcct gaaggaaaaa tg 462

<210> 6816
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-F11

<400> 6816

ccaacgaaac cagaggacag tgaacaaaga attgtataat tcgatctcaa ctcgttcctt 60

tgttgattct ttactccgac tattatgagg attgtacgtg cgacggagac gttctcggcg 120

gagcttaaag agttcatgtg cgccgctgtg caaaggagga aagacgacga cggattcaga 180

ggctctcgtg gcggtggtaa atctagaaat gccatggatc ttgattctga cgccggaaac 240

agattggttt gtgttactgg tggtgtttct taccttggtc gtgccattgt taaacgtctt 300

cntgttcatg gatactccgt tagaatcgtc gttgattgtc cagaggacaa angagaaagt 360

ggagtgagat ggaagctgac gccntaaaa 389

<210> 6817
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-F2

<400> 6817

gaacgaatca gagattttta ccgatatccg tcgctctctc ctcctccgtc gtcgtgcttc 60

gcttctcttg cgtgtcatct ttttcgacaa acccaaaatc aaggcagaat ctgataatcg 120

aaaggaccca gtagaaaact tcgcgaggaa tcaagggtta gaagccctaa cttgatcgct 180

aattcgagaa tgaagcattt ggattgaggg caaaaatcga cgtttttaaa aagtctgaac 240

tgaggtggat tcgttgagat catctgatca aatgctcttc gtggaagtaa acatttgagg 300

caaaccaggt cggtaacaag gtaagggggt atgtcnaagc aaaacccgga atatgcttga 360

aggtttgggt taanagatac ttcttttaaa atggttgctc gggaaacaaa gttcttt 417

<210> 6818
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-F4

<400> 6818

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cagtggcggc gagtgatcag atgttgttgt atagaggttt taagaaggcg aagaaggaga 180

gaggttgtac agctaaggag cgtattaagt aaaatgcctc cgtgcactgc tgggaaaagg 240

agttccatat accggggagt caccagacat agatggacag gtcgttatga agctcacctt 300

tgggataaga gtacctggaa ccaaaaccaa gaacaagaag ggaaaacaag tttatctagg 360

agcatatgat gatgaagang ctgctgctag agcttacgac cttgctgcct taaaata 417

<210> 6819
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-F7

<400> 6819

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tcggatttgt tcctctggtg ggattgtagc tctccatgtg ttgtacnaat gcctcttatg 120

acaatgtttt ggagcttata ctcaaattct gtgaaaactt tgncggtggg aattgtgang 180

atcctgtang atgaagatat ccttgaattg catatanggc tttgttgant gangttctca 240

tctcttgcca cctaanggtt ttgattcngc cactgtanct gctangggtt cgcttctgga 300

agaaatatgg gtgagactct catcatcatg ctgtctatgg agaactagca cccgtcaaca 360

cnggtatcca tggattcagg tgcttttact catcaaggaa tnaag 405

<210> 6820
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-F8

<400> 6820

acgcgtccgg ctttatgcct gcttgtgtga caatctttga caagaattgt aaaccattga 60

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gtgtggctgg attcggtaac ttgcctggtg atatggcctt ctgggatgtt gtaaataaga 180

agcagctagg aagtaataaa gccgagtggt ctgtgacaag tgaatggtct ccagacgggc 240

gttatttctt gactgcctca acagcaccaa gacgtcaaat tgacaatggg atgaaaatct 300

tcaactacga cggaaagcgt tattataaga agatgtttga gaggctgtat caggctgaat 360

ggaaaccaga gtctccaaga gaggttcggt gacatcagtg aacttatcaa 410

<210> 6821
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-F9

<400> 6821

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nnnnnnnnnn nnnnnnnnnn nnnnnnnaac acccatcacc atcgtcacca cttggccaag 180

cacaactaca aagatgctct cactaaatca atcctcttct ttgaaggcca aaggtcaggg 240

aaacttcctt ctaancagag aatgngttgg agaagagact ctggtctctc tgatggctct 300

gctcttcatg tggatttggt tggngggtac natgatgcag gagacaatat caaatttggn 360

ttcncaatgg nattcanaag cacaagtggt tttaangg 398

<210> 6822
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-G1

<400> 6822

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tctctctcag atctctctct ctctgtgatt caacaatggc ggtttcttct tcttcgtttc 120

tatcgacagc ttcactaacc aattccaaat ccaacatttc attcgcttcc tcagtatccc 180

catccctccg cagcgtcgtt ttccgctcca cgactccggc gacttctcac cgtcgttcaa 240

tgacggtccg atctaagatt cgtgaaattt tcatgccggc gttatcatca accatgacgg 300

aaggcaaaat ccgtgtcatg gatcaaaaca gaaggcgaga aactcgccaa gggaagagag 360

tgttgtggtt gttgaatctg ataaaagncg atatggatgt agaaacgttt tacgatggtt 420

ancttgctgc gattgtcgtc ggagaanggt gaaacagctc cggttgggtg c 471

<210> 6823
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-G12

<400> 6823

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gcccacgcgt ccgagaagaa caaaaaccaa aaaaaaaacc cagaaaatca gagaaacata 120

ngcgaaccga cagagaaaaa aaatgtcttc gccaagcaaa cgcagagaaa tggatatgat 180

gaagctgatg atgagcgatt ataaagtgga aacgatcaac gatggcatgc aagaattcta 240

tgttgaattc aatggtccca aagacagtct ctatcaagga ggtgtgtgga agataagagt 300

tgagcttcca gatgcttatc cttanaaatc tccatctgtt ggtttcanta cgaaaattta 360

tcatcctaat gttgatgaac tgtcggggtt ctgtttgttt angatgttnt taaacaaaac 420

ttgggagtcc tangntcgac cttgtnaaat gntgtttgag aacatttt 468

<210> 6824
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-D3

<400> 6824

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ttccttctcc tttctctgtt tatttgcttc gtttcctctt ctctttctcc gattctttat 120

ccatcttcgc tcagatcttc cccgtttcaa ctctttggat ccagattctc ctccttttta 180

tgtaggtaac acgcatatca agtgttaaag agtcaagatc acaaaaagtt ctatcgggtg 240

atctgggctg ctttcttttg taatcnaatt gcagaaactt tgctctgact tggatagctt 300

cgtaaaaggt tcaatctttc tccgtttttc atcaatgagt agtaactaat ctggaaattt 360

gttgggaaga gaaagggcac attgcactgc tattgctaga gaangtttct gcatccatgc 420

tgggtagaga gcatgcgtgg anactgtgtt ttggggtgat gcccct 466

<210> 6825
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H4

<400> 6825

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gttagggctc ctgggctctt actctgtcgc gttaatcttc aacctcaacc caaaatccca 120

tctttttcct acagtcttcg ctctgattat cgtcttcata atggtttctc caattacatc 180

agacgtaact caattcgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnattcgt tttgttcaac ggagttcaat gcttaatggt 300

cgtctcttct cgacttctac tcccaatcca gaccaaacca ccaccaagac taaggaaatc 360

aagacaacct cgtcggattc aagactcagc tatggctgac atgaagattc tccgtacgct 420

tgctggctat ttgtgggatg agaagacaat ccagaaattc cgtttcaagg gtcatcgctg 480

ctttg 485

<210> 6826
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H7

<400> 6826

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gctcacattc cgatgctcag attaatacca cgtaaccgtt ccctatgacg ttgtctccgt 120

tcttcgtctc ttcaaccttc aattttgcaa accctaaacg tttcgttcgt tagtcgcgcg 180

tactcagatt tcaatgttga tcgtcgatta tgtggttgat tgctacgtcg ttacccagat 240

gttccattga tattctaggc atggcacaac catgaagagc tttctggcgt gagatacaat 300

atcatctttg ttggatcaac atgtcttttc atttggataa gaccgagctg atgaagagtc 360

attgactcat tgttcctata gtgcatcaac taaatctttt tgtatgagga cacactcaaa 420

agcattctcc cttcgagtgg ccaaaggttg ctgtgctact ttcttctctt ctatggaggt 480

<210> 6827
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-A2

<400> 6827

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ttcgccaaag ttatcgctgt ttcaggcagc gggcaacaac acggtagtgt gtattggtca 120

aaaggtagtt ctgaggtatt gagatcattg gattcaaaga gatcattgaa agaacaactc 180

gaaaacgctt tttcggttaa ggaatctcct atatggatgg atagtantac tacattgcaa 240

tgtaaagaga ttgagaatgc tgttggtgga gctatggagt tgtcgaagat cactggctct 300

cgtgcttatg agcggtttac tggtccgcag atacggaagc tttttatgac tcaggggggag 360

gtgtatnana gcacggacag gatttcgctt gttagctctt ttatggcgtc cttgttggtt 420

ggacaataag cttgtaatga atnaactgat cctgcctggg aatgaatt 468

<210> 6828
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-A3

<400> 6828

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tgaagaagga agacatggca aagactacgt ggatccacct ccagctccac ttctagacat 120

ggctgagctt aagctctggt ctttttacag agctatcatc gcagagttca tcgccactct 180

cctcttcctc tatgtaaccg tagctacagt cattggccac aagaaccaaa ccggtccttg 240

tggcggtgtt ggtttactcg gcattgcgtg ggcctttggt ggcatgatct ttgtcctcgt 300

ctattgcacc gccggtatct ccggaggtca cattaaccca gctgtgacat ttggtcctgt 360

tccttgggtc ctaaaatgtc cn 382

<210> 6829
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-A4

<400> 6829

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ggaanaagga cttcactttc acggcgaagt taggattcgt gttctttaat cgtataggag 120

gtctcggaga ttgtgagacg ctaatgagtc ggaatgatga naatcatgtc aggtaagttc 180

ctgattctaa attttaatgt cataaacatg ataacatcan ttagtagttt ggcttcgaaa 240

ttttgtaatt ttgggtgatt cangacaagt tggtcgtact ctggtggact ttacgnaagt 300

agccatcaca atgattgtat acctcaaang tttttaccca tctggtgagt aaagagcgat 360

ttgtgagatt gacatgcatc tccaagtgat tgatcaattn tgtgtgttgt acggttaagc 420

ngcaatttga acaggacgga gnatg 445

<210> 6830
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-A6

<400> 6830

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ggcccacagc aatgtcttcc tagggttcct aagcttgctg cttcttctgc tcgtgtttct 120

cctggtgtat atgctgtgaa gccgattgat cttctgttaa aaggacgaac tcatcgaagt 180

agaagatgtg tagctcctgt gaaaaggaga attggatgta tcaaagcggt ggctgctcca 240

gttgcaccgc cttcagctga cagtgcagaa gacagggaac agttagcaga aanctatgga 300

ttcagacaaa ttggagaaga tcttcctgag aatgtcacct taaaagatat catggataca 360

cttcccaaag aagtgttttg aagaattgag gattctgaaa agcctttgaa antccggt 418

<210> 6831
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B1

<400> 6831

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cctccatggg tcctttcacc gtcgagatgt attacaaaca ctccccgaga acttgccgga 120

acttccttga gctatcccgg agaggttact atgacaacgt tctgtttcac agaatcgtca 180

aggatttcat tgtgcaaggt ggggatccta caggaactgg aagaggtggt gaatccattt 240

atggttcgaa gtttgaggat gagataaaca aagagttgaa gcacacagga gccggaattt 300

tatcaatggc gaacgctggt cctaatacaa atgggagtca atttttcatc accttaaccc 360

cacaaccgtc cttggatggg aaacacacaa tatttggtaa attttgccaa ggcatggagg 420

ngattaaa 428

<210> 6832
<211> 409

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B10

<400> 6832

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tcactcaaat cttcaacgct ttaatgagtc ttatgaggaa atttatattc aaagttctac 120

gcgtcggtcc aatccctact aacatttctt tcatcatgga tggaaaccgt aggttcgcca 180

agaaacgcaa tcttgaaggc ctagacgcag gacacagagc tggtttcata tccgtcaaat 240

atattcttca atactgcaaa gagattggtg taccgtatgt cacactctac gcatttggta 300

tggacaattt caagagagga cctgaagaag tcaagtgtgt gatggatcta atgcttgaga 360

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<210> 6833
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B12

<400> 6833

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cgaaaatctc cccagaaaca cttatttcat ttcttccttg gccttgacta cgcgtctttc 120

cttttactcc ggaaggaaga tccagaaagg ttttctttcg atcgttgctt ttgactatgc 180

atagatctgg tacaacaatg gcgtggaacg tattcaagtt ctgtactgcc ttacgaggtc 240

ttggatcgat catgatcctt ttggttcttg gtgttgtcgg tgttacttat tacgctgtcg 300

ttttgactaa ttatggtcct gcactctctc aaggtggcct tgattctctt gctgctctca 360

ctatcttaat cctcttccat ttcctcctgg caatgctttt gtggagctat ttctcaatgg 420

gttttactga ttcctggngg ttgtgcc 447

<210> 6834
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B3

<400> 6834

acgcgtgggc tctgatcgga cgtatcatca gttgataagc acttgcgatt ttagtcgtca 60

gaaggaatct gatgaatgcg aaacccttta ttcttacgct atggagcatg agtttggtaa 120

cattgatcag tacaacatct atgcgccgcc gtgtaacaag tcaagcgacg gtggtggtag 180

ctacaatggt tcttccggcc gccggagtat gcggcttcct caccttcccc actccgtatt 240

gaggaaaatt tccggttatg atccatgtnc cgagagatat gcagagatct attataaccg 300

gcctgatgtt cagaaagctc ttcacgccaa caccaccaan attccgtata aatggacagc 360

ttgcantgag gtgctaaacc ggnattggga acgaaccnag atncaagggg ttcccccnat 420

ataccggga 429

<210> 6835
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B6

<400> 6835

acgcgtccnt caggacttac aatgctaggc tgcttggatt agccaatgag gcgaaatcna 60

aagagctagt aaatctcttt ggagaactta aggctagtgg gctcaaacct gatgttttca 120

gtttcaatgc tatgattaga ggatctatca acgaaggaaa aatggacgaa gctgaagcgt 180

ggtacaaaga aattgtgaag catggttatc gtcctgataa agctaccttt gctttattgc 240

ttcctgctat gtgtaaagca ggtgactttg agtctgcgat tgagctcttc aaggagacat 300

tcantaagcg gtatcttgtc ggtcaaacaa cgttgcagca gttagttgat gaattggtga 360

aanggtctaa gagagaanaa gctgangaga ttgtgaagat tgcanagacc aaatgntttc 420

ttaaaagt 428

<210> 6836
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-B9

<400> 6836

atcaaacaac taaattaaaa aaaaatcttg agagattctt ggaacacaag aaaaacatga 60

aacctagaat gtgtttaatc ttgtttattg ctttaatgag agtaatgtcg attgtttctg 120

ctcagtcgag ttgcacaaat gttctaatca gcatggcgcc gtgtctcagc ttcatcactc 180

aaaacacttc tctcccgtct caacaatgtt gtaaccagtt ggctcatgtt gtccggtatt 240

cttctgagtg tttgtgtcag gttctcgatg gtggaggttc tcagcttggg atcaatgtta 300

atgagacaca agctcttgct ttgcctaaag cttgtcatgt tgaaactcct cctgctagtc 360

gctgccaaan tnggtcctcn ggtaaattca aattcagaac atggaaatgg t 411

<210> 6837
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-C1

<400> 6837

cccnggccgt ccgattgagt aatttccttc tgcgcttgaa aagaaatgtc gaattctagg 60

atgaatggtg ttgagaagct aagcagcaaa tccacaaggc gtgtcgcaaa tgccggaaag 120

gcaacactgc ttgctcttgg caaagccttc ccaagccaag tcgttcctca ggagaatcta 180

gtggaaggat ttctacgaga caccaaatgt gatgacgcgt ttatcaaaga aaagctggaa 240

cacttgtgca aaacgacaac cgtgaagacg cgatacactg tgttgacgcg agagatactg 300

gctaaatacc ctgagctaac aacagagggt tcaccaacaa tcaagcaaag acttgaaatt 360

gcaaacgaag cggttgtgga aatggcaatg ggaancnntt taaggtngaa ccaaggaatg 420

gggaaggcca ntggaaaaca t 441

<210> 6838
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-117-Q1-E1-C2

<400> 6838

acgcgtccgg cgctcttgaa gctttccggt tagatcctga aaagtgggga gtgaatgttc 60

aacctttgtc tggatctcct gccaacttcc atgtgtacac tgcattgtta aagcctcatg 120

aaagaatcat ggcacttgat cttcctcatg gtggtcatct ttctcatggt tatcagactg 180

acaccaagaa gatatcagct gtgtctatct tctttgaaac aatgccctat agattggacg 240

agagcactgg ctacatcgac tacgatcaga tggagaaaag tgctactctt ttcaggccaa 300

aattgattgt tgctggtgca agtgcttatg ctanattgta tgactatgcc cgcatcagaa 360

angtctgtna caagcaaaaa agctgttatg ctagcaaata tggcacacat canttggttt 420

g 421

<210> 6839
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H3

<400> 6839

ntgttacgcc tgccgtagcc gtccgaaaat tccngggtcn acccacgcgt ccgatcgatc 60

aacaaagtga ggttaggttc catctccacc tctttctctc tcgaatcttc tccgattaaa 120

ggaacaaggt ctggtttaca aaagtctcat agatgtcgag tggaacagtg agaagggttt 180

cacgtcaaga tatacaactg gttcaaaacc ttatagaacg atgccttcaa ctttacatga 240

atcagaaaga agttgtggat actttactag agcaggctaa aatcgagcct gggttcacag 300

aactagtttg gcagaagctt gaagaagaga atcgggagtt tttcaaagct tactatctta 360

ggctaatggt taaacaccag ataatggaat tcaacaagtt gcttgagcag caggttcacc 420

acatgcgtca gatgcatcca actgggtgtt gcttctgtcc aaaacacaaa tggttctcat 480

cttcaatcaa tg 492

<210> 6840
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-F12

<400> 6840

tagaaagtcc ganattcccg ggtngcccca cgcgtccgct ntcatgctaa agagagccgc 60

ggaagagcca ctgggtcacg cagcagctat aatcacagat gttctagaga atgcagaaac 120

caatcaagtg ataaacgctt ctcagaaacg aacgctgctt caagaaatgg ctctacggct 180

aacttaaaac aggggaaaaa aaaagaaaag acagaagaca aaaccttccc tcttcaacaa 240

ccaatcaatc atcactggtt agttacaaat atttacaaat gcgtgtattt tacatatctt 300

gtacctctgc ctaatgaagg gaatgttaaa aagtcttgaa gatcgaaatc cgctgattga 360

caaagcgggt tctgtgtgga agtaggaaaa aggaaccaaa aattggaatc tggttcctag 420

atttttgggc tgttctcata agtgaatgan agcaaaacgt gtttaattat ctctgtcttt 480

ctcatatttt an 492

<210> 6841
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-F4

<400> 6841

cngtagccgt ccgaaattcc agggtcgacc cacgcgtccg ggttttccta cgagatgagt 60

aaagcccaaa aacggaaacg cctaaacaaa tacgacggcg aatcaaaaac tccggccaat 120

aaatcaaccg tcgacggcgg caatccttac cctacactac ttagacctac cgctgaagaa 180

tgccgagacg taagggatgc tttgttgtct ctccatggat tccctcccga attcgctaat 240

taccgccgtc aaagactccg atcattctcc gccgtcgatg atcacgatac acagtgtaat 300

ctgaaatctg agacattgaa tgaaacggaa gaggagagtg tacttgatgg gcttgttaag 360

attcttctct cgcaagaata caactgagag caattcccaa agggcttttg cttctcttaa 420

agctacattt ccgaaatggg atgacgtttt gaatgctgag tctaaatcaa ttgagaatg 479

<210> 6842
<211> 443

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-F5

<400> 6842

acgcgtccgg agtatccctc tggctggggg tgctaatgtg gagttcaatt tggaaaagga 60

agcagagagg aaatttgcat tgaacctttt gggtctatat cagaatatca gacaggcagt 120

cagcgtttat gacgatttat ctcatggtat tgacagaact gccgaattaa cggttggacg 180

ctttggtggt atcgatgctt tagcacagga gtatggacaa ggtatggcta agcaagggat 240

ggatgtatta ctttccacat tatcaaagct attcaatctg ttggagacat ctcataaagg 300

ccaaattgtt ggggttatcg tccttgatga gagagtaaac caagaatcag aaaatctttt 360

gaactttggg tcttcccgtt catctgcacg ctcaatggtg gaagtggagg gaattccaaa 420

gtgcagccat tatccctgag gtt 443

<210> 6843
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-F6

<400> 6843

anctgttccg cctgcccgta caggtccgaa aattcccggg tcnacccacg cgtccgcgga 60

cgcgtggggt tcaaggttga agctaagaaa ggagaatggt tgcccggttt ggcatcgcct 120

gattatctca ccggcagtct tgccggtgac aatgggtttg acccgttggg tctagcagag 180

gatccaagag aacttgaaat ggttcgtcca ggcagagctg gtcaacggac gatgggctat 240

gctcggtgtc gctgggatgc ttttgccnga agttttcacc aagattgaat cacaaatgtt 300

ccctgagtgg tacaatactn ggaaaaagca ctattttgca ncgccnccta cattgttccc 360

gatntagttt tcatattgtn ncattacntt gatatcacac ggtggcaana catcaagaac 420

ccaggatgtg tgaaccaaga ccctatcttt acgcaataca gnttacctaa gggtnaattt 480

ggttaccctg g 491

<210> 6844

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-F7

<400> 6844

acgcgtccgc atagtttctt cttgcttttg agaaaaaata attatatatt tttatatagg 60

aaagggttaa tttattaata aaaaaaaata aaaagaagca gaaaagagat aatgcagggt 120

ggtaggcttt tgacggtgtt ggtgtgcctc gcctccacgg tggcgttggt gagcgccggt 180

gacccttact tctactacac gtggaacgta acctacggaa ccgccgcgcc tctcggaatt 240

cctcaacagg tgattctcat caacggacag ttccctggtc ctaacctaaa ctcaacctcc 300

aacaacaatg tcgtcatcaa tgtcttcaac aacctcgacg agcctttcct cttgacctgg 360

agtggactcc aacacangaa gaactcatgg caaagatggt gtgactggga cctcatgcca 420

atcccaagca aggaacaaac ttcac 445

<210> 6845
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-F9

<400> 6845

acgcgtccgc cagctttatc tctctctttt tcacatccca tggctagatg gtgacgacga 60

ttcacgcata aactagggtt cccccacaaa tcatcttaca cgtatcctct attccttcct 120

tcctttctcc gtcatcatca tttttcccac cgacaacaat ctctcggagt ttgggtatta 180

ttacttctct catcaaccaa ttgtaccact agatctccca gattccttca ttatctctat 240

caataatggc gttgaagtct agttctgctg atggtaaaac cagaagctct gttcagatct 300

tcattgtgtt tagtttatgt tgcttctttt acattttggg agcatggcaa cgaagtggtt 360

ttgggtaaag gagacagtat tgctcttgag atgaccaaca gtggagctga ttgcaacatt 420

gttcctagct tgaatttcga gactcatcac gctggcgaa 459

<210> 6846
<211> 485

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-G12

<400> 6846

aaattccgaa aagtcccggg nngccccacg cgtccgggac ttgctaaatc aatagcttgg 60

gatggtgaag gtgctacatg tctcatcgag gtaactgtta aaggaacaga aactgaagca 120

gaagcagcga aaattgcacg ctctgtggct tcctcttccc tggtcaaagc agctgtttat 180

gggagagatc caaactgggg acgcatagct gcagctgctg gctatgccgg ggtttctttt 240

cagatggata agctgaagat atccctcggc gagttctcac tcatggagag tggtcaacct 300

cttccgtttg acagggatgg agcaagtaac tacctcaaga aaaccggtga ggttcacgga 360

acagttacaa tcgatatatc cgtaggtgat ggtgcagcca tcggaaaggc atggggatgc 420

gatcttagct atgactatgt caagatnaac gctgagtaca cctcatanaa ctgagaccga 480

gagac 485

<210> 6847
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-G2

<400> 6847

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tttttatcga ttttacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnagaaag cccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnncatggag atgggttctg acggtgaaga tcagaagatc 300

aggagcgtcg ttggtgatgc taatcttaat aataagaaga agaagattga taataattcc 360

tcctctaagg atggtcgtgt caagcctaaa cgtcagatga aaactccgtt tcaacttgaa 420

accttggaga aagtttaatc agangagaag tatccgtccg gacgcaatgg aaac 474

<210> 6848
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-G5

<400> 6848

acgcgtccgc ccacgcgtcc gcccacgcgt ccgctcagtt tcagaaaccc ggaagagctg 60

aggctgcatt tgccaagcat gattgtttat cggtaatgaa gaagttcttg ctaataacaa 120

gaacagacta cttagtggct cctcctgaca cagagatcat agatcatctt gagataccgt 180

cgacgattcc agattggata acagaagaag agattcaagt gtatgcggaa aagtttcaaa 240

gatctggatt cactggccct ttgaattact acagatccat ggatatgaat tgggagatat 300

tggcgccgtg gcaagactcc aaaatcgtcg ttcctactaa gtttatagcg ggagacaaag 360

atatcggata tgaaggacct aatggaacaa tggagtatgt gaaaggagaa gtgttcaaga 420

ttgttgtgcc taatcttgag ataa 444

<210> 6849
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-G9

<400> 6849

aactgtttcc gcctggcncg tacangtccg aaaattcccg ggtcgaccca cgcgtccgcc 60

cacgcgtccg gaggttttgg aggaatgtgg agaaaaaata agcaagaaag agtcaaagaa 120

gcgagccgct aaactggaga agttgctccg taaacaggaa cgagaagaag ccacatcatc 180

atctctttct ctggaggagg aggatgaatc gtgttccagc aactacggtg acgtgactac 240

taacgagttg cagtcggctg ttgagggaaa agagctcact gatgtgagca acttggttga 300

agagattgtg gggtcagagg tttcgatcag aggtcgactg cacaagaatc gcttagtcgg 360

taccaaattg tttgtgatct tgagggaaag tggattcacg gttcaatgcg tggtggagga 420

gaccagagtt ggtgcaaaca tgattaaatt tgtcaagcaa ctgagtcgtg aatctgttgt 480

tgagcttatc ggtgtctctc tcaacctaa 509

<210> 6850
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H1

<400> 6850

ccgtagccgt ccgaaaattc cagggtcnac ccacgcgtcc gtcgaaattt cctcttctca 60

aaaaactcaa aatttgaaga tgaaggacag agaggaatca tcatcgtctt cttcttcaat 120

gacaacaana aaaaactaat ggaataatca acaacggcga acacgaacct cgagatatca 180

acatccgatc attctcttct gttccttctt ctcctcgtaa cgcttcttcc aaatacgatt 240

tcgtcaaggt caaagtatgg cttggagaca acgcagatca ctactatgtt ctgtctcgat 300

tcttaagtct gtagaatgtt aactgttact aagatcccaa atcatgaagc tataaagatt 360

tctcttgaac tcaagaagct tctaattgac aacaagtctt cttgatgtct ctcagtctga 420

tttggaaacc aatttgttta agctaatgga gcgacgtggt tatggngaaa gaagtacatt 480

aatc 484

<210> 6851
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H10

<400> 6851

tcccgggggn cgccccacgc gtccgtttct tgtcttcaaa ctcacacaaa gaangaaaag 60

tcttcaaagc tcaaaaagca atgactcgac cgtcaagatt acttgagacg gcggcgccac 120

caccacaacc gtcggaggag atgatcgcag cggaatccga catggtggtg atcttgtcgg 180

ctcttctttg cgctcttatc tgcgttgctg gtctcgccgc cgtcgtacga tgcgcttggc 240

tccggcggtt tacagccgga ggagattcgc cgtcaccgaa canaggcttg aaaaagaaag 300

ctcttcagtc tcttccaang atncactttc accgccgcgg aatcatcctc nggcgcccgn 360

cgctgaagan ggagatcgac ggaatgtgct atttgcctca ntgacttcgc cggaccggtg 420

aanga 425

<210> 6852
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-H12

<400> 6852

gnacgccccg gaaagtccga aattcacngg ncgcnccacg cgtccgtcgt actcgagtag 60

gtctcagtta cgtnnaggat cgagcttang agatgagtgg ngttgaagag aaagtttctg 120

gaacgacant tacacctgca gatttcctca aatccatccg tgggagaccc gttgttgtca 180

agctcaattc tggtgttgat tatcgaggca ctcttacttg tcttgatgga tatatgaaca 240

tagcaatgga gcagacggag gagtatgtaa acgggcagct caagaacaaa tatggtgacg 300

cctttatccg tggaaacaac gttctttaca tcagtacagt aaacatgact gtagcagacg 360

gagcctangc ccatcatgat catcaacaac aacaacagtg gtcatgttat ggctgccatt 420

tttgttgtct tcttctacct catattaaaa gagtatagac atgtnccaag attgtcatcc 480

tangttcctc aatag 495

<210> 6853
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-F11

<400> 6853

attcccgggt cgncccacgc gtcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnntttca ctagggatat gtctgatgtt agtagtagca 120

tcaagtgtga tctatgaagc gcaaggaacg ttcttactaa accattactt gaagaagaat 180

tttccaaaaa aatgcaacga gtttacgcct tacgctaaca agggtatgat aacgttggtg 240

accgatctcg aaggtagcag tccggccact acagagttca agactttctt tacacagttc 300

aagtcttaca tgtctttcat cgagacaaca tcggcctcaa caaaaaatgt tgatgccgag 360

atgacagcta aatgtgacgg tcttttcaag gccatgtctg cattgagtgc tagtaaaggc 420

gtcaaatcag cggatgctgg ggagtatgaa gatgaccatg ttgtcgatgg gaaagact 478

<210> 6854
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-C6

<400> 6854

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cgataatttt cggattacgg cgacgaatca gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng gatcgtggac 180

aacgctctcg ctgtaaccaa agatgcagat cagtaaaaac tgttacatat gagtctttga 240

ataacattgc gaggtgcata aatggagtat cagctcttct gttgaccctt ctcccaggga 300

aggctaatat tcttgaaggc ttacatggct gggaactcag gcctacgttt cggggaccac 360

gtttaccacg gtggatgcat aatggggtct cttctttcaa tgagt 405

<210> 6855
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-C7

<400> 6855

acgcgtccgt agaaatccac aatatctttc ttcacacttt ctttcacttt cccgggaaaa 60

cagccgagaa aataaaagaa acgaagaaaa gtttgttcct ttgtggggat caaagaagaa 120

tgtactcggc gattcggtct tcgcttcctc tagatggcag cttgggagac tactctgacg 180

gaaccaatct tcccatcgac gcttgtctgg tcctaaccac tgaccccaag cctcgccttc 240

gttggacctc tgagctccat gaaagattcg ttgacgccgt cactcagctc ggcggacccg 300

acaaagcaac gcctaaaact ataatgagaa caatgggagt gaagggtctc actctttacc 360

atctcaaatc tcatcttcag aaattccgct tggggaggca atcttgtaaa gaatcaattg 420

acaactctaa ggatgtttct tgtgt 445

<210> 6856
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-D5

<400> 6856

acgcgtccgt acagaggtca ttagcttcct tctttcaact gaaattattc ctctgtgcct 60

ccgtaccatg gaaatgggga gtgagctgtc aaaaacagtg gcaacattta ttgttcaaaa 120

gatactgttg gatgatgtgg ggatggatta catctgcaca acagcagagc ggtttttttgc 180

agttggtcga gtgttgggaa atatggttca gtcacttgtg gagcagcctt ctccgcgcct 240

tttgaagcat atcattcgtt gctatctccg tttatcagac aacccaaggg cttgtgctgc 300

actcgcaagc tgtctccctg actcgctacg agatggatcc tttagcaatt gtcttcgcga 360

ggatccaact gcaagaaggt ggctgcaaca gttggtgcac aatgttggag ttggtcgcgt 420

ccaacacatc aaggtggagg at 442

<210> 6857
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-D6

<400> 6857

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ttantggcgg cttcgttctc actcacgagc ttcatctcct tcatctcacc attcaaatcn 120

caaactaaac ctacaccacc accaaatctc actcttcctt ctccaacaat ctcccaaagg 180

cgaagaaatg atctcgctat cgaatcaatg gcggtcgaag aaacttcctc aaccgcttct 240

tcactttcct ctgagcttgc ttccgtgatt tgtccctcgc ttgcttactc naacacactc 300

ttcttcagtt ctggatacaa tgtgcaagtg tttgttgaag ataatgagtc agagganagg 360

cttgtgaatc gatttangag aagaagtgat gagaactggt gttatacagg aatgtaagag 420

gagaagatac tttgaagaat aaacaagatn anaagaaacg tatgactcgt gatgctgcta 480

agcgtaataa g 491

<210> 6858
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-D7

<400> 6858

acgcgtccgc nctcttcttt ttttttttt ttggtttttc atttaagtct attcaatcat 60

ggaaaccggt ttaaacatct taaagctatc gctatgcgtc agcctagtcg tggttggatc 120

atatgctcag gctcccgcac catggaatcc atctaatggg tttcgtccgg ggacatgtga 180

ccactacgag tgtcccacct ataaattggt acaggccgga tacggctttg agatccgcat 240

gtacgacgct gccctatgga tatctactan tcctatcccc tccctatcca tgactcaagc 300

caccaaaacc ggtttccgac ggtaaatgaa taaatcgaat atataagact tggtgttctt 360

tcggtttctt tatattataa actgaagttg actacgtttt tgggtttata gattaaatan 420

gtacatanaa ggagataaca ag 442

<210> 6859
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-D8

<400> 6859

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tttcaaaaca gaggagaaga agcttgagct aaagcttgga ccacctggtg aagaagatga 120

tgatgaatcg atgataagac acatgaagaa agaaccaaaa gacaaatcta tcctctctct 180

cgctggcaaa tacttctctc cttcttccac caaaaccaca tcccataaaa gaactgctcc 240

tggtccagtg gtgggatggc ctccggttcg atccttcagg aagaatttag ctagtggaag 300

ttcttcaaag cttggaaatg actcaaccac ctccaatggt gttaccctca agaaccaaaa 360

gtgtgatgct gctgctaaga caacagaacc aaagagacaa ggaggcatgt ttgtgaagat 420

caacatgtat ggtgttccca ttggtcgtaa agttgatctc agtgctcata atagctatga 480

gcagttatct 490

<210> 6860
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E1

<400> 6860

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gattttcagt acgaatacga accgtgaaag cgtggcctat cgatccttta gaccttcgga 120

atttgaagct agaggtgtca gaaaagttac cacagggata actgggcttg tggcaaccaa 180

ncgttcataa gcgacgttgc tttttgtcct tccgatgtcg gctccttccc tancaattgt 240

gaagcaanaa ttcaccaagt gttgggattg ttcacccacc aataagggaa cgtgagctgg 300

ggttanaccg tcgtgagaca ggttagttta ccctaactga tgccccgcct cnccnataag 360

taaattcaac ctagtacgaa aaggaaccgt tgattccgca caaatttggt catcgccccc 420

tggttgaaaa gccagtggcg cgaagctacc gtgcgccggg attatgactg aacgcctcta 480

agtcagaatc ccgggcta 498

<210> 6861
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E12

<400> 6861

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cgtccgattg atggtatgct tctgcttatt gttgagaaag tcgtggaaga aatcgaaaga 120

ggtggattca ataaagttgg atcagctcca ccttcaccgt catcggagtt tagcgatgat 180

ctatgggcta ctatctggga agttagtaat acagtgttnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn atacgttcaa tctcctgaag tgatggagat gtgtaggttt 300

gctggagaga ttggtattcg tggtgatttg cttagagaac ttagatttaa atgggcaaga 360

gagaaaatgg acgacgctga gttttatgag agtttggaac agcaacgtga tttggataat 420

tcgattaggg aatctgaaac tgtggatgga gaagtagaag aagaagggtt tgttccttct 480

gatgaanttg aatct 495

<210> 6862
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E2

<400> 6862

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tctcattgaa atcgaacgag gatggggaag aagaaatcga aggtaacgga gccggaatct 120

caaaacgatg aatctcagac aatcttctcc actctcttct ccggcgaggt tgaaagctct 180

ggctttgcga gtctcttctc cgctgataac cctttccggc gaaaacaacc tcaagaaatc 240

aaagagtcgt caattcctnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnttt gcctgtgaag acgaagaaat ctaaaaagga aaaaaagctt 360

acagattccg gcgacgagaa agagacgatt tcggaggctg tagaagaaag tgggttggtt 420

tcaaagagga agaagaggaa gagagatgaa gattgagaac gaatacgaag acgaagaagt 480

atggaagcgt tgagatg 497

<210> 6863
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E5

<400> 6863

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aagtaacaaa gagtggttgg ccatttttt atgtacactg acttctacaa tctttgttgc 120

attgtttatt caagaaccct aactcctaca caggtaaact gtaaggagag atgagcttat 180

cggttttggt gtgagcagag gcagtctact cggcgaaaga gtgttcattc aattgctcgg 240

ttggaagcgg ctcaaccttc tcggccttcc cgtctttctt tgggattatc agaccgtaac 300

ctccttcttt tctcttgtac actatgttta tctcaccagt ttcttcattt tggaagccat 360

agaagtcgtg actgactagt tccagctgct cgactgcctc agcgacagtc aatggtggca 420

tctcgaaagt cttggtacgg aca 443

<210> 6864
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E6

<400> 6864

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cagctctgct agtgaagatg tccgcgaaca ggctgtttgg gcattgggaa atgttgctgg 120

agactcacca aaatgccggg atttagtcct aagttacggt gccatgacac ctcttctgtc 180

tcaattcaat gagaatanaa agctttcaat gctganaaat gctacatgga cattatcaaa 240

cttctgcaga gggaagcccc cacccgcatt tgaacagaca caaccagctt taccagttct 300

tgagcgcctt gtgcaatcaa tggatgaaga agttctcaca gatgcatgct gggctctgtc 360

atacctctcg gataattcaa acgacaaaat acaagcagtc attgaagcag gagttgttcc 420

tcgcctcatc cagctcttan gtc 443

<210> 6865
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-E8

<400> 6865

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acactcttgc taagcttagc agttgaagga gcctttaaca taaaccagaa atggtctggt 120

ggaagtcatt ttggttacga gggcgggttc tgttttcccg gtctctgcat tggaggatct 180

ggtggtagta gagtccatta tggcagggac cattacggtg gtggaagtca atatagaggt 240

ggtattggtt acagagagac catgtactgc aaaccgttga cttgttatgg tggctcatgt 300

gatgcactcc atttgcattt agacaaaggg ttatatgaat ctctcatacg caatactaag 360

acagcgaaac aatcgtcgac tgttgatttc aacatgccag agactttgaa acacaatgtc 420

atc 423

<210> 6866
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-E9

<400> 6866

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cacgcgtccg gtcgtcgcct tttatacatc aaacggagac gtgttcgaga aaacacacga 120

cgagttagac atagagtttc tagggaacat aaaaggaaag ccgtggaggt ttcagacaaa 180

tctatacgga aatggaagta cacatagagg tcgtgaagag agatatcgtc tctggtttga 240

tccttctaag gagtttcatc gttatagcat tctctggact cctcacaaga tcatattttg 300

ggtagatgat gtgccaataa gagaagtgat cagaaacgat gcaatgggag cagattatcc 360

ggcaaagcca atggctcttt acgccaccat ttgggacgct tctgattggg ctacttccgg 420

cggcaaatac aaagctaatt acaaatttgc ccctttcgta gctgaattca aatctttctc 480

tctaaacggt tgctccgttg atcctaatca a 511

<210> 6867
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-116-Q1-E1-C5

<400> 6867

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gtgcttccac aaaccctaaa ctatgtccgg cggtttcttc cggggtactt ccgccgagca 120

ggatactcgg ttttctaaca agcaagctaa attgatgaaa agccagaaat ttgctccgga 180

gttagagaat ctggtggata tcactaaagt gaagatggat gttatgaaac cttggattgc 240

gactagagtc actgagcttc ttggtattga agatgaagtg ctgattaact ttatctatgg 300

tctgcttgac gggaaggtag tgaatggtaa ggagattcag ataacgctaa ctggattcat 360

ggagaaaaat actggcaaat ttatgaaaga actttgggac acttcttcta agc 413

<210> 6868
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A7

<400> 6868

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ctacacactc acaaatctgt tagctgcagt gatcatagcg ttgacactag gagaaatagg 180

tccgagcaga ccaaatttct ttacacagct ctctcaagat aattggcagt cagtgatgtt 240

tgcaatggct ggaggaatag ttcttagcct tggaaactta gcaacacaat atgcttgggc 300

ttatgttggt ttatcagtta ctgaagtcat cacagctagt atcactgttg ttatcggcac 360

aactttgaac tatttcttgg atgatagaat caacagagct gaggtccttt tcccgggggt 420

cgcttgttcc ttgatcgcng tttgtttcgg ttccgctgtt cataaaatcc aaatgct 477

<210> 6869
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A8

<400> 6869

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ctctatccat ctctcgtcat cgcatgtttc gcttcccaat tcggaagaaa ganagacgac 120

gcgtctgaan catatctccg taatcggggt gaanaaaaac gcggcgagaa gaagaggcag 180

attttcgttt tgggagggta gacaaatctg gcgaaagtgg agggcctaag ggcnaggccg 240

tggcttaagc caggagcttg tataaatgga gatcaatatg actacgacgg ttcggaagac 300

gaccattcna ggccttggtg gcgccgtcgt ctcagatcct tgtntatggc agccacgtcn 360

tttactccgt ccacttttcg aatcgctatc tcgttgctcc ttctggtgct ancgtctccg 420

ccgtcaattt tctccccggc gaacaaaaaa tttaaggact tcctggtaan ggattaagga 480

aat 483

<210> 6870
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-B10

<400> 6870

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gagcctgtgg tcttgttagc ttagaaccta tgaagattgc agagatcctc aaagatcggc 180

catcttggtt ccgtgactgt aggagccttg aagttttcac tatgttcccg gctggtaatg 240

gtggcacaat cgagcttgtt tatatgcaga cgtatgcacc aacgactctg gctcctgccc 300

gcgatttctg gaccctgaga tacacaacga gcctcgacaa tgggagtttt gtggtttgtg 360

agaggtcgct atctggctct ggagctgggc ctaatgctgc ttcagcttct cagtttgtga 420

naacagaaat gctttccaag tgggtattta ataangcctt gtgaatggtg ggtgggtcca 480

atattcaaaa ttgtcn 496

<210> 6871
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-B11

<400> 6871

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gatcttggaa atcgcaggca ttgttcgtct actcgaggat ttcaattttg gtcatnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn naccggcggt tcgtatttcc gacgggaatc taatcatcaa aaaccggacg 300

attctaaccg gtgtaccaga taatgtcatc acgacgtcag catcggaagc tggaccggta 360

gaaggagtct tcgtcggagc tgtatttaac aaggaagaga gtaaacacat cgtaccgatc 420

ggtacgcttc gcaattcccg gtttatgtct tgtttccggt ttaagctctg gtggatggcc 480

caaaagaatg ggagaaatgg 500

<210> 6872
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-B3

<400> 6872

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ttgcggtaga acaagaagac gaagaagtcg aaataggaag gattaangat ggnggctggt 240

ggatttttga ctcgagcatt tgatacgatg cttaaggagt ctggangaaa gaagtttcct 300

gatctccaga aagctattca agcttatcaa gatggttcaa aggttgttac gcaagctgca 360

acctcgagca tagtggagaa ttcacaaact gaatgtggaa gtgaaaaaac tgggggtang 420

aagcanntga aaccgcaaaa agtcacnac 449

<210> 6873
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-B5

<400> 6873

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acaatttgga tggactcact gttgaagagg ctctggagaa ggagaggttg tttatattag 120

accaccatga cacactgatg ccatacttgg gacgcgtaaa caccaccacg accaagactt 180

atgcaagcag gacacttctg ttcttgaaag atgatgggac cttgaagccg ttggtgatag 240

agctgagctt gcctcatcct aatggagaca aatttggagc agtgagtgaa gtatatacgc 300

ctggtgaagg tgtctacgac tcgctatggc agttggctaa ggcttttgtc ggtgtaaatg 360

actccggaaa tcatcagctt attagccact gggatgcaaa cacacgcatc gattgaaccg 420

tttgtgattg ccacaaacag acagctgaan tgttcttcac ccggtcttta agctccttga 480

acctcacttc cgtgatacga tgaatatcaa 510

<210> 6874
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-B6

<400> 6874

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tcggttttga tttgggtttg atcggaaaag tcatgggtaa ttgttgcgga acagcaggat 180

cattggctca aaacgataac aaacccaaaa aaggaaggaa gaagcaaaac cctttctcga 240

ttgattacgg tcttcaccac ggtggtggag atggaggtgg aagacctctt aagcttatcg 300

ttttgaatga tccaacaggt cgtgagatcg agtctaaata cacgttgggg agagagctag 360

gtcgtggaga attcggtgtt acgtatctat gtactgataa ggagacagac gacgtttttg 420

cctgtaaatc gantttgaan aaaaaactga nggacagctg ttganantga aaaatgttnt 480

ggnaaaaagg ttagaatntt nanggcaaat gcccgaggca accccaaag 529

<210> 6875
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-115-Q1-E1-B7

<400> 6875

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ttctggagct aagttcgatg agctttatcg gtcaagctgg gctatggatc attgtgtcaa 180

cgaaggcgaa gtcacaaaac tcaagcttga caattactct ggagctgggt ttgaatcaag 240

aagcaaatac ttgtttggta aagtctctat ccagattaag cttgttgagg gtgattcagc 300

aggaacagtc actgctttct acatgtcttc agatggtccg aaccacaacg aattcgattt 360

tgagttctta gggaacacta ccggcgagcc ttacatagtc cagaccaata tctacgtgaa 420

cggagttggg aaacagagaa caaagactca acctttggtt ccattccacc actgaatt 478

<210> 6876
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-C1

<400> 6876

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tctcatcgtc gtgaaccttc ttctttaatg gcgatcgata actctcgtcc tcctccggac 120

gaaatctttt acaagacgaa gaagattttg tatcgtggac aaaggtgcaa tatcattctc 180

caggataaga atggaccatg tcctctcatc gccatttgta atgttcttat cttgaaacac 240

ggaattaatc tagacactta caattctcaa gtatctgaag aggatttggt gaatcttgtg 300

atcgatgtac tgggatgata cagacgagta cattgatatt gggctcatca gaaaacttgc 360

ttgtgggata aatgtcattt gaaattcgag aaggattacg gattttgagt taacactgga 420

gctagaaaaa ttccgtcact taagaatccc ttgtancang gatggcnagt tattccacgg 480

<210> 6877
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-115-Q1-E1-C10

<400> 6877

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gctgagaaat cggcagagca gaaaaacaat gaaagagacg aagtaaagca aacggagcag 180

tttggcgggt ttccaggagg agggtatgga gggttcccgg gaggagggta tggaggaaac 240

cctggtggag gatatggaaa ccgtggtggt ggatatagaa accgtgatgg aggatatgga 300

aaccgcggtg gaggatatgg aaaccgagga ggaggatatt gtcgctatgg ttgctgctac 360

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cagccacaga gtactgagcc gggtcactaa aatcctaaaa tg 462

<210> 6878
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-115-Q1-E1-C11

<400> 6878

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caactgcaga agctggcacc ttggtgttga gacctctaac atcatagact tcgacacggt 240

gcccgcaaat tgcaaagact atgttgaaga ctacttgatc acttccaaac agtaccaata 300

cgactccaaa accgtgtgca aagaggctta tttctatgcc aaaggacttg ccctaaagaa 360

cgacaccgtc aatgtttggg atctttgacc taagatgata cctcctctct agtattccct 420

actacgcaaa atatggatac ggaacagaga agaacgaccc gggggcgtt 469

<210> 6879
<211> 558
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A4

<400> 6879

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aaagattaga actttacgtg acccttaag cgatcaacaa ttatctcact gttttttcag 240

ataagggtat atgagtttgt tggacatggg tggagatatg atggaagatg attgggaatt 300

tgcgtcatca tcaaacccta aaagaaccct aattccttgt gggccgtact gggaaacgga 360

aagaatgccg acaaggtaac aagtatccct tgggtgggaa aanctttaag gtcaaagaac 420

ctaanaactg gtaggaagtg acaagcacgt gccaagtcac aagagaagtt tgttcaaaga 480

aagaatgggg gataaccaat taaaggttgg ttgaaaacnc cctgggtttg gtttgaattt 540

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<210> 6880
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 6880

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aagggtggag cattcgacga tggtgttttt gatggtgtga agaaagtaat tgttggaaaa 180

gacttcaaca atgtaactta tatcaaggtt gaatacgaaa aggacggaaa attcgaaatt 240

cgtgaacacg ggactaatcg cgggcagcta aaagagtttt caagtgggat tatcctaatg 300

aacatattac atcggtcgag gggaacaatc catggttacc tttcgtcgct gaagtttacg 360

acatcaaaaa ggaanaacct cccctgtttt tgggaatgtg gtccggtagt aaaatttgtg 420

ttcgaaggaa acaagtttta aacntgttgg ggttttgtgg gnccattcgg gtga 474

<210> 6881
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H12

<400> 6881

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tcttgtgtgg tgtaggaact ggtttagctg tgatgaacaa tatgggtcag ataggtcttg 240

cccttggata cacaaatgtc tcaatctttg tctccatgac tagtatttgg ggattcttcg 300

gtcgcattct ctccggtact ctctccgaat actttctcaa gaaagctgga acaccaagac 360

cactatggaa tgcagcctct caaatcctta tggccgtagg atatatacta atggctttag 420

ccgtgcctaa ttcactctac atcggttcaa tggtggttgg agtatgttac g 471

<210> 6882
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H2

<400> 6882

tcgacccacg cgtccgggan cttctctgct caccaacgtc tctttcctcc tccttcgctc 60

tctcttctgc tcttttagtc cctcgttcgt tctccatgcc agggacaagg agattcatgg 120

ttctgtgtag ttcccagaag gaaagtcaga tgacagtgtc agtaactgga gcaactggat 180

tcatagggag acgattggtt cagagacttc gtgctgataa ccacgctatc cgggtcttaa 240

cacgctctaa atccaaagct gagcaaatat ttcctgccaa ggacttccca ggtattgtga 300

ttgcagaaga atcggagtgg aagaactgtg tacaangctc tactgctgtt gtgaacttgg 360

caaggactgc ctaatagtac aaggtggtct cccgagatna agaaagagan taaaggcaag 420

ccggattcgt gtcacctcca aaagttgttg acctaatcaa taattcacca acanaagcta 480

gg 482

<210> 6883
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H3

<400> 6883

acgcgtccgg aaaaaaagag aaggcatggc cgcggaagaa gcgacggagt tctacctgag 60

atactatgtc ggtcacaaag ggaaatttgg acacgagttc ctggagttcg agtttagaga 120

ggacggtaag ctccgttacg ccaataactc taactacaag aacgatacta ttatccgcaa 180

ggaggtattt ctcacccccg ccgtgctcaa ggaatgcaag cgtatcgtct ccgagagcga 240

gattctgaaa gaagacgata acaattggcc ggaacctgac cgtgttggaa agcanagagc 300

tcgagatcgt cttgggtaat gagcatatct cattcgctac atctaagatt ggatttcttg 360

ttgattgcna anaagcagta atgatcctga agggactcgn atcttctant atcttgttca 420

aggnctttgn aaatgtcctg ttttttttcgc tcaaccnc 458

<210> 6884
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H4

<400> 6884

gctggttcgc atggccgtng aatcccgaag tcgacccacg cgtccgtatc accatcaaca 60

catgcccatc aatgccattt cccagcaatc tttaactttg gtgactctaa ctccgatacc 120

ggcggtctct ccgctgcttt tggccaagct ggtcctcctc acggctcttc cttcttcggc 180

tcacccgcgg gacgatactg cgatggtcgc ctcgtcattg acttcatagc ggagagtctt 240

ggattaccat atctaagcgc gtttctagac tccgttggtt caaacttcaa gccacggcgc 300

taacttcgct accgcgggat ctccgataag agctcttaac tctactctac gtcaaagtgg 360

attcaagccc attttcactc gatgtacagt tcgtacaatt ctataacttc cacaacagat 420

ctcaaactgt tcgtantcgt ggaggagtct acaagacaat gttgcctgaa atcccgacaa 480

gcttctcaaa aagctttgtc acttttgaca ttggn 515

<210> 6885
<211> 468
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-114-Q1-E1-H5

<400> 6885

acgcgtccgt ctaaaactac tgggcattat gagacaggat aattcgtttg aaaagagctc 60

tagtaaatgg aaaatgaaag ttggaaaagg accattggac ctcagtagcg aaagtccttc 120

aagtaaacaa atgcatgaag atggaggctc gagtttcaaa gctatgtcta gccaccttca 180

agataacaga gaacctgagg cgcctaacac tcacttgaaa actttagata caaatgaagc 240

ttctgttaaa atttctgaag agctaatgca cgtggaacat agttcaaaga ggcatagagg 300

aactaaagat gatgggacac tagttaggga tgatcggaat gtgctgaggc gttcagaggg 360

ctcagctttc tcaaggtact ttcttagaat caaacctctg ttttttcttc cgtacacaac 420

cttttgaatg ccttattgaa gaactatgag atcgactgtt gggacttg 468

<210> 6886
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H6

<400> 6886

acgcgtccgc ccacgcgtcc gcccacgcgt ccgtgaaaac gaattttctt gtactggctt 60

tgtctttgtg tatccttctt tcaagcttcc atgaggtttc ttgtcaggat gatggtagtg 120

gtttgagtaa tttggatcta atagaacgtg attatcaaga tagtgtcaat gctcttcaag 180

gcaaggacga tgaagatcag tctgcaaaga tacagagtga aaaccagaat aacactacag 240

tgactgataa gaacactatt tctctatctc tatcagatga atctgaggtt ggatctgtta 300

gtgatgaaag cgttggacgt tcgagtctgt tggatcaaat caaacttgaa ttcgaagctc 360

atcacaatag tattaaccaa gctggatctg atggtgtcaa ggctgaatcc aaggatgatg 420

atgaagaatt atctgctcat agacagaaaa tgttggaaga aatcganc 468

<210> 6887
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H7

<400> 6887

acgcgtccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnngat aatgggagcc tatgaaacag aaaaaccaac taaagatgcg 180

gcggctctag agacacagtc gccggaagat ttcgatcaac catctccgct tcgtaaaatc 240

atctccgtcg cttccatcgc cgccggtgta cagttcgggt gggccttaca gctctctctt 300

cttactccgt acgttcaact cctcggaatc cctcacaaat ggtcatctct catttggctc 360

tgtggtcaag tctccggcat gattgttcaa ccaatcgtcg ggtttcacag tgaccgatgt 420

aggtcaaaat ttggtcgccg tcgtcctttc atcgcaaccg gagcc 465

<210> 6888
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H8

<400> 6888

ccggaattcc cgggtngacc cacgcgtccg ggggaacccc ttccaggaac agagctgaaa 60

gaggtgtggc atttggctga tgtccccaaa aacgacaact ttcagtacac tcactttgct 120

cacaagataa acagcttcga cacagcgcct gctaagctct tggcttcaga ctcacgtatc 180

cgtcctgata gatattccct tgagcagggt gacctttcta aagctggttc cgagaaacac 240

agccttgagg agagacaaag ggccgaaaag aggaccagag agacaaaggg acaaaagttc 300

actccaagat ggttcgatct aacggatgag atcacaccta ctccatgggg agatattgaa 360

gtataccaat acaacgggaa gtacaattga acaccgagac acggcagaga gctcaagtag 420

tgcctccaaa cgaaaacgga cctcaaatcc gattcgagtt naatcccttg gcaatatggt 480

aatatctcaa accgaatg 498

<210> 6889
<211> 429

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-H9

<400> 6889

aagaaagtgc ggatgtgatt atcctagatg ataacttctc tacgattgtc acagtagcca 60

aatggggccg ttctgtgtac ataaatattc agaaatttgt ccagttccag ctgacagtaa 120

atgttgtggc tcttattgtc aacttcttat cagcctgcct cactggttag ttcccaaccc 180

acatttattt ttctcttgtt caaaagacta atctcctcag ggattgcaac taacttctct 240

gttacattga cactaactac tgtgggtctc aggaaacgcg cctctgactg ctgtccaact 300

actgtgggtt aacatgataa tggacacact tggagcactc gcgctaacga ctgaaccacc 360

acaggncgac ctgatgaana gatttccaat gggaaagaaa ggaaacttca taagtaatgt 420

aatgtggan 429

<210> 6890
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A1

<400> 6890

gggtttattt ttgtttttg ggttcgccga agtaaaaaaa aaagaataag gattttctca 60

ttaaatttcc aaagattagt cttttgtatg tatcttcact ttcttatgaa tgtgtaaacc 120

ttactcattc ccgtgatcct actttgggat ttcgctagaa gaagtttagg tgacgacctt 180

aatttaagtt tgtaaatgca ggtcctttct ttctagggtt tatcgaaatt ggtgtaaatc 240

ttttggaatt ggtttgagat tttttctttt ggggaattgc aattcattaa gtcgtcgtga 300

tccagtgtgt ttttaagtga agtaaggcat tttcgatatt cggagacttt taggtcaatg 360

tcggctccaa ccgcgaattc cggccggtgg gattcaaccc gaccggagaa ntcaagatta 420

agttcctggg ccccgccngg naataancct gcaancaaga aaaccgttgg tcaaaag 477

<210> 6891
<211> 509

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A10

<400> 6891

actgtttccc tgtncctacn gctccgaaat tcccaggtcg acccacgcgt ccgcggacgc 60

gtgggtttga taattatgac actagtggtc ctcaaaatgt taatgcacac attgggcttg 120

ctaagctaag gaaggagtgg attgatcgtc gggagaagct aggaacacca agatacactc 180

aaatgtacta cgctaagcaa gggatcataa ctgaggaaat gctctactgt gctactaggg 240

agaagctaga ccctgagttt gtaagatcag aagttgcacg aggacgggcg attatcccct 300

ccaacaagaa gcatttggag ctggaaccga tgattgttgg tagaaagttc ttggtcaagg 360

tcaatgcgaa tatcggaaac tctgctgttg ccagctctat tgaagaggaa gtctacaagg 420

ttcagtgggc aaccatgtgg ggagctgata caatcatgga tttctcaact gggtcgtcac 480

atccatgaga cacgtnagtg gattctaaa 509

<210> 6892
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-A11

<400> 6892

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ctggaatcca nagacttgtg tttaagctga aggaactggt caggcgtatc gatgaacctg 120

tttcaagaca catggaagag catgggctag agtttcttca atttgctttc cggtggtata 180

attgtcttct gattcgtgag atcccattca atctcatcaa tcgactatgg gacacttatc 240

ttgctgaagg agatgcgttg ccagacttcc tggtgtatat atatgctagc tttctcttga 300

cgtggtctga tgagctgaag aagctagatt ttcaagaaat ggtaatgttc ctgcaacacc 360

ttccgacaca taactggtca gaccaagagt cgaaatggtt tgtcaagagc ttacatgtgg 420

catantaagt tcaataattc ccaaaaccat ttggctaact gaaatgactt ttcctnc 477

<210> 6893
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G9

<400> 6893

ntgttaccct gccggtaccg gtccgaaatt cccgggtcga cccacgcgtc cgagcgtatc 60

tacagaggtg atagcaacca tgcgggcaga ggtgtcagat gtatcaaaga gcgcgatcag 120

caattcattt ttactaagac gacgattcga gcatcccatt ctcgcttgac gatatctcca 180

aatcgatgca aaacgtagag gttgcagagg ttgatcctcc tccgttgatc cgccaaaact 240

ccaacttcat gttcttgttg gaaaggtcag attgaagtag tcaaagttcc ctatacccga 300

tcgatcgcta ggacattttc agattaggag atcagtattg tgctttcaaa aacaaagcct 360

gtacattagt acatatgcct atctttgcca attggctttc tggtactgtc ctactaatta 420

ataggggtat attggggtag gaaaaaatat atatatgtga actaaaatat ttgttgtgtc 480

caagcgttga taaggccaa 499

<210> 6894
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-E9

<400> 6894

acgcctgccg gnaccggtcc gaaaattccc gggccccaat tcacttgcag cttttgtaat 60

ttctctaatt tgggtcgtaa ctcgtaagcg gcggtggaat tcaagtcgcc accggttccg 120

atcaaagtct tccgttatac gcaaacccta attcctcact acacgactct ttttgatctg 180

aatcgagaga tggtacagga ggagaaagct atggaagcaa taaatgacgc tttgagagct 240

ttgcggaagc gtcatcttct ggaagaagga gctcatgctc ctgcgatttc tgctctctct 300

aagcctttaa tctctcaggg ttcagaatgg aaggagaaaa cagaaaagct ggaaacagag 360

ttacagcaat gttacaaagc tcaatctcga ctatctgaac aactgggtga tagaagtagc 420

tgaatccaga acttcaaagg ctattttaca agagaaggag ttgttaatta atgacttgca 480

gaaggaatta ca 492

<210> 6895
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F1

<400> 6895

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gttaggtgtg catttgatga atctaacgta caacacgggt atttaaccaa aaatggcatc 120

tacagtcaag catgtggact aaacaatgag catgatgtca tggggccatg acgactacat 180

gtacatggaa tttacactca aggatgtgga ttaaacaata tagttaagca aagttcattt 240

tgacttgatc ttcatcacgt caacatgaac tttgatttta ctgtataact tgtatttact 300

gtaataacaa caatatataa caattagagg ttgtagatat tatgatcaat tacttaatca 360

tgtcttgatc ctaataacta cggtctctga attgctgtat attattatta ttacagcaag 420

tacaagttat accgcaagat naaagttcac gttgatgttg gagaaagtc 469

<210> 6896
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F11

<400> 6896

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gcaatggggg tcgattatta caaggttctt caggtggatc ggaatgcgaa agacgacgac 120

ttgaagaaag cttatcgcaa actcgccatg aagtggcatc cagacaagaa ccctaacaac 180

aaaaaagacg ccgaagccaa attcaagcag atctccgaag cttacgatgt tttgagtgat 240

cctcaaaaga gagccatcta tgatcaatat ggagaagaag gtctaacaag ccaggctccg 300

cctcccggag caggcggcgg gttttcggat ggaggggctt cgttccggtt caacggtaga 360

agcgcaaatg atatcttctc ggagttcttt ggcttcacaa gancatttgg tgactcacgt 420

ggtgcaagtc cctctaatgg gttccggttc gcg 453

<210> 6897
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F2

<400> 6897

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taacgcaggc agttccggcg aaattccgtc tccaataagg aaccgatttc aagaaaagtg 120

ggagtcaagc ggtgtacgan gtgacagaga cgaagaaatc ttgcgtgacg agagtcgaca 180

tgcctgggtt gtcccgaagt cagatctcac ctactgggtc gacgccaaca acgtccactt 240

cttcgccgac gaaccagcaa tgcctgagta cgaaaacgcc ggacgcaaat acggaggctc 300

catgattttc aaccctgagg cttacgacgt caagaaaact aaagtgaagc ttatcaacgg 360

agtgctctgg atnaccgtcc ctaagattcc aggcaaaaac gcctccaata atgtcaagga 420

gaagattctc caattactgg atttaacaac acccttgggt tggtgtcccg taatggga 478

<210> 6898
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F3

<400> 6898

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aaccagagtt ttcaatctca ccgaactcta aatctatctc caagcctccg tttctggtac 120

cggtgacctc aattattcac cgcccgatga tctccaccgg aggaatcgct gtttcccccc 180

gtagagtttt caaagtccga gccacagata cgggagagat aggatcagct ctattggcgg 240

cggaggaagc aattgaagac gtggaagaga cggagcggct aaagagatcg ctcgtggatt 300

cgttgtacgg aacagatcga ggtttaagcg catcgagcga aaccagagct gaaatccgga 360

gatntaatca cacagctcga agtctaaaga accctactcc anctccgacg gnagctcttt 420

ccctttctcaa cggcaaatgg gttctccccc aanacaatcg ttccgtgaaa tttgtttc 478

<210> 6899
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F5

<400> 6899

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aaaccctaat ttttttggc ccaaagggtt ttatacttta atctcatact ccgattcatt 120

gtcgaaaaac gatgatgcat aattcaaccg aagaatcgga atgggaggtg agacctggtg 180

gtatgctcgt ccaacgaaga gacgacgccg cttcctccga ccacaaacct ctccaggatc 240

ccgactctgc ttccgccgct tttgctcaaa ccatcagaat cactgtttct catggctcat 300

cgcaccacga tcttcatatt tctgctcacg ccactttcgg ggatgtgaag aaagctcctt 360

gttcanaaaa ctgggattgg aagcctagtt gaanttgaag atcttgttca annggatttt 420

agaagagatg atgccngaac aattgcaanc tggccgggtg ttaaagggat gcgtcc 476

<210> 6900
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F6

<400> 6900

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tcgtattcgc tcatcttctt cgctttctga tcttggaaat cgcaggcatt gttcgtctac 120

tcgaggattt caattttggt catnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccggcggttc gtatttccga 240

cgggaatcta atcatcaaaa accggacgat tctaaccggt gtaccaagat aatgtcatca 300

cgacgtcagc atcggaagct gggaccggta gaaggagtct tcgtcggagc tgtatttaac 360

aaggaagaga gtaaacacat cgtaccgatc ggtacgcttc gcaattcccg gtttatgtct 420

tgtttccggt ttaagctctg gtgggatggc ccagagaatg ggaaaaaat 469

<210> 6901
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-F7

<400> 6901

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aaaaatctat aactgttatc tcaaccaaaa attgtttatt gttatgcgag gggttaaact 120

cttggccgcg tgcctctacc tggccgctgc cgcaacggtg gtagtccgag ccgaagatcc 180

ttacttccat cacgtatgga acgtgaccta cggaaccgtg tctcctctcg gtgttccaca 240

acaagtcatt ctcatcaacg gacaattccc tggtcccaac gtcaactcaa cctccaacaa 300

caacgtcatc attaatgtct tcaacaacct cgacgaacct ttcctcctca catggaatgg 360

gatccaacac aggaagaact gttggcaaga tgggactcca ggaactatgt gtccgatcat 420

gcccggcacc aactacactt acaatttcaa gcctaaggat cagnt 465

<210> 6902
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G1

<400> 6902

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ggattttatg atactgcgga tgaagatcgt cctgctgatc aagtaaaatt tccaactacc 120

attgaagaac ttgaaggaaa aagaagagct gatgtagaag cacatttacg caaacaagat 180

gttgcaagga ataaaattgc tcagagacag gatgctccag cagctatatt gcaagcaaac 240

aagctgaatg atccggaagt tgttangaag aggtcaaagc tgatgttacc accaccgcag 300

atttcagacc acgagctaga agaaattgct aagatgggct atgccagtga ccttcttgcc 360

gagaatgagg agctaacaga aggcantgct gctactcgtg cacttttggc aaattactca 420

caaacaccaa nggcaaggaa tgacacccat gaggacacct caaagaactc ct 472

<210> 6903
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G11

<400> 6903

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tttagtcaac tttgttccac tgaaccttct aggaagctac ctcaagtaga cagctttgtt 120

gacgggcttc aagccagtgg taaagatatg cttctgtaga agggttaatc ttgagcatta 180

aaggacatgg ctttctactc tgaagacgac aagagcgaag actacctctt taagattgtt 240

ctaatcggtg attctgctgt cgggaaatca aatttacttg ccagatttgc gagggatgag 300

ttctatccca attcaaagtc gacgattgga gtggagtttc agacacagaa gatggatata 360

aacgggaagg agattcaaag cacagatatg ggacacagca aggtcaagaa cgttttanag 420

cagtcactct gcatattacc gaggtgcaat 450

<210> 6904
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G2

<400> 6904

acgcgtccgg acccacacaa ggcgacacgt gtatggcttg ggacattcga gacagccgag 60

gccgccgcaa gagcctatga tgcggcagca cttcgcttta gaggaagcaa agcaaagctt 120

aatttccccg aaaatgttgg aactcagacg attcaacgaa attctcattt cttgcaaaac 180

tctatgcaac cttctctgac atacatcgat caatgtccaa ctctattatc ttactctcga 240

tgtatggagc aacaacaacc attagtaggc atgttgcagc caacagaaga ggaaaatcac 300

tttttcgaaa aaccatggac cgaatatgat caatacaatt actcctcttt tggttaacta 360

acatattgtc aacgctttgt atttctactt attcgattta ncaatttttt ctctcccaat 420

acaacttcag tctggattat tgccttctta gatatgtcnt cgaatgttat g 471

<210> 6905
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G4

<400> 6905

aactggttcc gcatggccgc ggaattcccg angtcgaccc acgcgtccgc tcacttccct 60

cattggacct ctctaactct cctctcttac cttctcctgt ttaaattctt ctcctttctt 120

tccacaattt ctgtctaacc aattccaaca ccaaaaaatt ccatttcttg acgatgaaac 180

gaagccatca agaaacgtct gtagaagaag aagctccttc aatggtggag aagttagaaa 240

atggttgtgg tggtggtgga gacgataaca tggacgagtt tcttgctgtt ttgggttaca 300

aggttcgatc ttcaagacat ggcaagatgt tgcacagaag cttgaacagc ttgaaatggt 360

cttgtccaat gatattgcct cttctagtaa tgccttcaat gacaccgttc attacaatcc 420

ttctgatctc tccggttggg ctcagagcat gctctccgga tcttaattac tacccggatc 480

ttgaacccga accggatttg cgatctgaga acaa 514

<210> 6906
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-G8

<400> 6906

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tcatgcttca gttcagctta acattggtca tcttgatgct aatggtctct acactggcca 120

attcaccact tttgctctct gcggatttgt ccgtgctcag ggagacgcan acagtggcgt 180

ggacaggctc tggcagaaga agaaggtcga agctaaacaa cagtgagaga caatctgaca 240

atgtcataag ctcttgtttg ttttttgagg tttcgattta ttagctatgt ggctttgtca 300

ttgaattgaa aatgttagtt tctctttatg cnaattcatg ttttcgattt ttctgcttta 360

ttaannataa ttattaaggc tttgnggcca atggaatcaa nattctanct aaaaannaan 420

anaaaggggc ggccgctcta gaaggatcna 450

<210> 6907
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-E8

<400> 6907

aaggaagaag aagaagaaga aaccatggga agagctttcg tgtatgtaat tctcggagga 60

ggtgttgctg ctggttacgc agctctcgaa ttcacccgtc gaggtgtctc cgatggcgaa 120

ctctgtatca tttccgaaga acccgttgca ccgtatgaga ggcctgcctt aagcaaaggt 180

tttctgctgc cagaagctcc tgcacggctt ccttctttcc acacttgtgt tggagctaat 240

gatgagaagc ttacaccgaa atggtacaag ggatcatgga attgaattgg tacttggaac 300

tcgtgtttaa ntccgttgat gtgaggagga agacnctttt atcgancaca ggggagacta 360

taagttacaa attct 375

<210> 6908
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-A9

<400> 6908

acgcgtccgc tccgtcatgg tacacggcgg gaagagcaan agtatttcac ggncaaaacc 60

acactctttg tcgttgagct cattttgatc ggatgggcac aaggacgtag atgggccgat 120

atcatcaagc ccggtagcgt caacactgac ccagtcttcc caaacaacaa actgacgggc 180

acagacgttg gttacccagg tgggttatgg ttcgacccgt tgggttgggg atccggtagc 240

ccggctaagc tcaaagagtt gaggaccaan gagatcaana acggaaggtt ggctatgttg 300

gcagtgatgg gtgcttggtt ccaacacatc tacactggca ctggtcctat tgataacctt 360

tttgcacatc ttgctgatcc tgtcaagcca caatcctcgc tgctttcaac acccaatgaa 420

gacaaccaaa aaaggttaat ggggaaggtg aatgcctttt gtgtt 465

<210> 6909
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-B1

<400> 6909

gtccgtctgt ctccacgatc cacgccttga ccttcgtttt ttttttctca gagattagag 60

aaaactccga taaccaattt ctcaatcttt ttgtagatcc aantttttcca ggaaaaaaaa 120

gaggtttcgc gaagaagatg agttttcaag atttagaatc aggaagagga agatcaacga 180

ggaaattcaa tggtggtcga caagattcga cacaagccgt tgcttctgga anattccaga 240

tcaataccgg agtctccacg tttcagcgac tcgttaacac acttggtact cccaaagata 300

caccggagct ccgggagaag ctgcacanga caaggttgca tattggacag cttgtgaang 360

atacttcagc taaacttaaa gaagctagtg aaactgatca tcaaagcggt gtcaatccaa 420

gtaagaagan tgcagatgct aagcttgcaa gggac 455

<210> 6910
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-B10

<400> 6910

gccgaaatcc ggancgaccc acgcgtccgg gatctgttac naanacaaag tcgctttant 60

cagatctgaa naagaagaag aagaagaaac atagttgaag tctctgttaa tatgtcttca 120

acaacaacag attctacaga attgcaaaat ctgatcaaac tgtttcaaaa ttgccaaact 180

catcctcgtc aacattttcc tgcaaaatct tcagctgtan tagtttgtct ataccaagaa 240

canngagaag acannaacga gctacgcgta atcttaacca nacgatctac tactctctct 300

tctcatcctg gggaagtagc attgcctgga ggaaaaagag ancaaganga taaagatgat 360

atagctactg cgttgagaaa aagctcgtga ngaaatcggt ttagatcctt ccccttgtta 420

caatcatttc cgttccttga ancatttgtt aacaangaag ggaatgtccg taacaccaag 480

<210> 6911
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-C1

<400> 6911

ccctnccggt agccgtccgn aattcncggg tcgacccacg cgtccgaaag ctttcatttt 60

tcaatctcat cagagagaaa ttaagctatg gcgaagaaga ttggagtaac gatggaagtt 120

gggaacgatg gtgttgctgt catcaccatt tctaaccctc ctgttaactc tttagccagt 180

ccaattattt ctgggttgaa ggagaagttt cgtgacgcca atcaaaggaa tgatgttaag 240

gccatcgtgt tgatcgggaa caatggaaga ttttcgggtg gttttgatat caatgtcttt 300

cagcaagttc ataagactgg ggatttatcg cttatgcctg aagtatctgt tgagcttgtg 360

tgtaacctga tggaagactc caggaagccg gttgttgctg cagttgaagg attagctctt 420

ggtggtggtt tggaacttgc aatggcgtgt catgccagag ttgctgctcc gaaagctcaa 480

ttaggcttac cagaa 495

<210> 6912
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-C11

<400> 6912

gaactgttac gcctggcttt acgggccgna attcncggaa cgacccacgc gtccgtgcat 60

actggtcatt gattggttaa tcagagctct ctcttttctt ttcctatctc tagagactag 120

agaaatggct ctctatctct cttcttcacg actcatcacc tttctctctt tcatcttgct 180

tctctccaat ggcttctcgt cctcttcctc tcgccctagc atccaccatc gtcaccacct 240

ggacaaccac aattacaaag acgctctctc caagtccatt ctcttcttcg aaggtcaaag 300

atccggaaag cttcctccaa accagagaat gacttggaga agcaactctg gtctctccga 360

agggtccggt ctcaaacgtt ggatttggtg ggaagatact acgatgcaag ggaacaatat 420

gaagttttgg gattccccaa tgggnnattc aacaaccaca atgnctctca aanggagntt 480

taaattgaat ttgggtgggc ccaatgaaat ccgaagttac ca 522

<210> 6913
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-C2

<400> 6913

taangttacc cgccgtagcg tccgaaattc cnggtcgacn cacncgtccg ggtttttaag 60

tcncacctct cncnctcant gccgcatctt ttcttacggt tcttgtttcg ctatctctta 120

aacacaaaca gctctgtccg aataatctct cttcaagtan ctctttttc tgattctgta 180

tatccccatg aattactgat ttccctctct ataaacccat caaagtaaac caatttctcc 240

tgtgacttgt acctaactcg atcttancag actggtgatg gcgtctttga agcctttcga 300

tcttctagga gaagangctg aggattcaag ccagctcgct gtggctttgt ctcagaaact 360

cgagaaaagc tgcngcngcn gttcaanctc ctaanggcgc taagttccaa acaanccggc 420

tcctccntct caagcaatta aggaatccna ggaatgctcc ncaaaggaag gtcattggtg 480

ngactggtng gacgttgggn gggaatttcc cgt 513

<210> 6914
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-113-Q1-E1-C5

<400> 6914

acgcgtccgg gaatattcat cacatactaa gctcaaactt tgggaattac cctaaaggac 60

ctgagttcaa gaagatcttt gatgttttgg gagaaggaat cttaaccgtt gattttgagt 120

tgtgggagga gatgaggaag tcaaatcacg ccctattcca caatcaagat ttcatcgagc 180

tctcagtaag tagcaataaa agtaagttaa aagaaggtct tgttcctttt cttgataatg 240

ctgctcagaa aaacattatc atagaattac aagatgtgtt ccaagagatt catgtttgat 300

acttcttcaa ttttgatgac tggttacgat ccaatgtcac tatccatcga aatgctggaa 360

gttgagttcg gtgaagctgc ggatattggc gaagaagcaa tctattatag acatttcaaa 420

ccggtgatct tgtggaggct tcaaaactgg attggg 456

<210> 6915
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-C7

<400> 6915

ancgttccgc cgcccgtaag gtccaaaatt ctcgggtcga cncacncntc cgcngacgcg 60

tgggggctgg aaaatgaagc angagaagaa tactggtcct gtcagcacgc aggctgcttc 120

tgaaagaggt ggagtagata ttgatgccag cacagatatc ctagcagatg aggctctgct 180

gaatgacgaa gcgaggcagc ctctgtcaag gaaagtttca attccttcat cacggatcaa 240

tccttacaga atggttatta tgctgcggct tgttatcctt tgtctcttct tgcattaccg 300

tataacaaac ccagtgccaa atgcctttgc tctatggctg gtctctgtga tatgtgagat 360

ctggtttgcc ttatcctgga ttttggatca gtttcccaag tggtttcctg tgaaccgtga 420

aacctacctc gacaggcttg ctttaagata tgatcgtnaa ngtgagccat cacagttaac 480

tgctgttgac attttc 496

<210> 6916
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-C9

<400> 6916

cnttacggcc gaaattccgg acgaccacgc gtccgtggaa actgcancgg cagagcttga 60

gagactccaa attgaaatcc tccacaaaat ctccattctt gagagctctt ttctcccaca 120

gaattcctct gctgctccgt cgccttctct accggttgat gaaaacgaaa ctgtgactcg 180

cctctccacc attctccagt ccggcggcgt taacgacttc tgcttcaaga gagttgctac 240

cgattactat gactggcctc tcgaatctcg tcgcgacgtt ctcggcgctt cctcagtcga 300

ccatctctgc aagagtattg ttctggttaa tactcaagct gcatcaaata ttttggattg 360

cagtgatcca aacaactcaa aatactatgt ggttgtggtt caantatact gctagattca 420

atgctgaagc anttgaagca atttcttaat cacnaaacga aggnaaagat tccaaagaaa 480

agattt 486

<210> 6917
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-D11

<400> 6917

ctgttaccct gctttancgg gccgnaattc ccggatcgac ccacgcgtcc gattccgact 60

atttttaag agttttctct attcgtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggatgatga 180

tgaagatcaa acttaaggag acagaagcag acgtaagcca agacgacatt aaaagacaag 240

aagcttacaa catgtctcca cgcgtacnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnatgagcaa gtcatcgagc gtgaggcaaa actgtttatg cgcaccaact acacaccctg 360

gctccttcag gtgccgttac caacgtcgta acgctggact ccgggatgtc tcnttggcac 420

atcccgttcc ctctaacctt tccaagttgg ctggtggaga ctccaaatct cccaagtgat 480

gaatantana tattaagttg tttcctcnc 509

<210> 6918
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-D5

<400> 6918

ttccccgccg gtanggtccn aaattctcgg gtcgacnnac ncgtcngcat atgctctaca 60

acgacagcct ctctgcactt ggaatttgtg tacaangaga tcttaaacac tttcataagg 120

cgagatacat gcttgctcaa ggtctgtaca gaaggggtgg gagcagtgat ctgcaaagag 180

caaaggaaga actttccttt tgtttcaaat catcacggtc aagttttacg atcaatatgt 240

gggagattga tggcatggtt aaaaagggaa ggcgaaaaac tccaggtttg gctgggaaca 300

agaaggctct tgaagttaac ctgccagaaa gttcacggaa attcataact tgcattcgca 360

aatacttact gttcnatttg agacattgga cgaaactgaa natgtcaaca cactagaacg 420

agcctttaan tctcttcgat cagataagan gttctctcta agcgttgaag accttgtacc 480

aattgcaata gg 492

<210> 6919
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-D6

<400> 6919

ccgcccgtan cggtccgaaa attcncgggt cgacncacgc gtccgggatc tgttactaaa 60

acaangtcgc tttantcana tctgaanaag aagaagaaga agaaacatag ttgangtctc 120

tgttaatatg tcttcaacaa caacagattc tacagaattg caaaatctga tcaaactgtt 180

tcaaaattgc caaactcanc ctcgtcaaca ttttcctgca aaatcttcag ctgtantagt 240

ttgtctanac caagaanana gagaagacaa aaacgagcta cgcgtaatct tanccaaacg 300

atctactact ctctcttctc atcctgggga agtagcattg cctgnaggaa aaanagacca 360

anaagataaa gatgatatag ctactgcgtt gagagaagct cgtgaagaaa tcggtttaga 420

tccttctctt gttacaatca tttctgttct tgaaccattt gttaacaaga agggaatgtc 480

ngtagcacca gttatcgg 498

<210> 6920
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-D8

<400> 6920

acgcgtccgt actttcacaa accgggagaa gattatcgga gatcgcaaac tatggccgga 60

cgagatcgtt atattccatc atcagcagtt tcaacttcat catcttcaag attattagaa 120

tctcaattaa tcgaatccga tcgaaatcga gctcgatctg taatcctcga ggatcgaatc 180

gcaatccaac accgtgaaat ccaatctctt ctcaacgaca atcaacgatt agctgtagca 240

cacatcggac tcaaagacca gctcaatgta gctaagcgtg agctcgaacg gttacttgaa 300

accgctgtta aagttaaagc ggaaggagaa gctaaagtgc gtgaggttta tcagaatgcg 360

ttgagaatgg angcggaggc tcgtgtgatt gatggacttg gagctgagct tgggtcaggt 420

taggtctgat gtacagaggt taggtagtga tagacaggag tt 462

<210> 6921
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-A6

<400> 6921

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gcgtccgccc acgcgtccgc ccacgcgtcc gcccacgcgt ccgcggacgc gtgggtttga 120

gtctcttgga ttctgaacgt gggatctggg gatttgaata gttacacttt tttgtttatg 180

aaaaaacata cgatgaagtc tggtgtgatc ataaccattg ctctgttatt atacacaagc 240

tttcttcttg tttgtctggc gaaagagtgt acagacattc ctacgaagct ctcatcgcat 300

actctccgca gcgagcttct gcaatcacag aacgcaaatt tgaantcaga ggagttctct 360

cattaccatt taactccaac tgatgactct gcttggtcta ctttgttgcc aaggaagatg 420

ttganagaag agactgatga atttggcttg gactatgttg tataaaaaan tcaaggactc 480

ctaattcccc gggtaacttc tcaag 505

<210> 6922
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-112-Q1-E1-F5

<400> 6922

aactgttcgc ctggcctacc nagtccggaa ttcccgggtc gacccacgcg tccgcggacg 60

cgtgggcatg gtttaaacta tactcagcag cctataaggt ccgagttctc aagaagttta 120

ttgcaagaac accagcaact cccaaatggt tacatgcatg ggaaccttgg gttgcagaca 180

atgccgaatg gggcaaatgt tttgggaggt gatgtagaat ctagtaggga taagttatca 240

gcaaggggat ttactccaga acttcataat gttcctatga ggcttgagat gggagaatct 300

ccggttaatt atgatttctt tggtggtcaa caacaatcaa acacacagct ctctggcatg 360

ctccagcctt tgccaaggca gcagatgaca ttcaatgata tgcaactact gaagcagcaa 420

gttatggtta agcaaatgca tgaatatcaa atgcaacaac aacttcaaaa gcaacagcta 480

ganggccaag gcagctcaat tcnttgat 508

<210> 6923
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-F7

<400> 6923

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tgctgtcaag ggtgtagctc gtttgacata tgagttctcc gatctcatat ctagtgctta 120

caatttactt ccttcaacat ttcttctcct ccagaggaaa aataaagaaa ttacaaaagc 180

aaatttaggt ttgttgaagg tgttggtggc taaatcaccc gttgaaggac tacacgcaaa 240

tttaaagagc atggttgaag gcttactaaa gtggccagaa ggaacaaaaa atctgttcaa 300

agcaaaggtg aggcttctgt tggagatgct catcaagaaa tgtggcacgg aggctgtcaa 360

gtctgtgatg cctgaggaac atatgaaact cctgacaaac atccgaaaga tcaaggaacg 420

taaagagaaa aaatatgcag ctggctctga catcagtaaa tcgcaacant 470

<210> 6924
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-G2

<400> 6924

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ggcaaggaga tcggnaacca gatggtggag agaagaagga gaagaagttc gaaccagccg 120

caccacctgc tcgtgtaggg aggaagcaac ngaagcagaa aggacctgaa gcggcggcga 180

gattgccgac ggtgactcct tctactaaat gtaagcttcg attgctgaaa ttggagcgaa 240

tcaaggacta tttgcttatg gaggaagagt tcgtagcgaa tcaggagaga ttgaaacctc 300

aggaagagaa agctgaggaa gatagatcta aagttgatga tcttcgtggt acacctatga 360

gtgttggcaa tcttgaagag cttattgatg agaatcacgc cattgtttcn tcctcggttg 420

ggtcctgagt actacgttgg cattttgtcc ttcgttgata angatnaacc ttgaacctgg 480

ctgctctatt t 491

<210> 6925
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-G4

<400> 6925

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tggcgatgta tgttatctac gangtcttct tccggctatg gtctcttcga ggttcacgga 120

ctatatgaga tcggacataa cactgangcg gttcggactt ctgtctccga cctcagtcgc 180

tttggccgtg ttgttcagct cacagcgttt catccctttg agtctgctct cgatgctctc 240

aaccaagtca acgccgtctc tgaangtgtt atgactgatg agcttaaaag ttttcnggag 300

ttgaatcttc ctaaggtcaa tgagggaaag aaacccaagt tcagtttacg attggctgag 360

cctaaactcg gttcanatat atttgaagct actaaaatcc catgccagan caatgagttt 420

gttcttgagc ttctcataag tgttcgccag cattttgata ngtttatcaa nggacttaaa 480

gcctggtgat cttgaaaaat cctcagcttg ggttanctca 520

<210> 6926
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-112-Q1-E1-G5

<400> 6926

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gagtcgttga gaatcatttt catcaaagaa cagtatgaca ccaagctgca ggaacttcaa 180

tatcaactga ccatgtccaa gaagcatggt gaggaaattc tgatgaaatt acaagatgcc 240

attgatgaga atgaagcaag gaaaaaggca gaatccagcc aattaaagag atctaaagag 300

ctggagggaa aaatattgga actggaggct gatcgacaat ctgttatcta tgataaacgt 360

gagaaaacca cggcttatga catgatgaag gcagagctgg attgctcatt attaagcctt 420

gagtgctgca aagaagaaaa acaagaagct tgaagctatt ctgcaacaat gc 472

<210> 6927
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-H1

<400> 6927

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acgaggttcc aagagaactt agcttcttgt tctacgtacg acaccaaaaa ttaattcaaa 120

aaagaaaaag aagagagttc aatgagaaaa cattctcttg atcgatggct tttaacagct 180

gttcttgtcg ttctcctctc gtcttcttcc tccttcgcgg ccnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnacct ctttgatcat cgatggcaaa 300

agagagcttc tttattctgg ctctattcat tacccgagaa gcactccgga aatgtggcca 360

agtatcatca agagagccaa gcaaggcggt ttgaacacga ttcaagacat acgttttctg 420

gaatgtacat gagcctcaac aaggaaagtt caacttttcg ggacgagctg atttggtgaa 480

gttcataaag ttgattcaaa agaatggnat g 511

<210> 6928
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-H2

<400> 6928

aattcccgan tcgacccacg cgtccgaaaa aaactcaaga gacaaaaaaa aaaggaaggc 60

gcgtcagtga tggagaagat tattgacgta gcttatggcg catcagtgaa ggtgggtttg 120

acgttgttgg agatgaatct gttgccggat attgtcatta ngcggctcac acgtctgctt 180

ctggccggtc gtctccgttc cggttacaaa cccacggcgg agatgcaact ctccgatctc 240

ctccgttttg ttgactctat aaagaagatg cctatagcta tccataccga naagccaaag 300

actcaacact atgaattacc gacagctttc ttcgaacttg tccttggaag aaacatgaag 360

tacagntctt gttacttctc aaacgattca agtagcttac aacatgcaga ggaagcaatt 420

ttggcccttа ttgtgaaana actaaagttg gaagattggn aaaagtgttc cttgaaaatc 480

ggatnttgct ggggga 496

<210> 6929
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-H3

<400> 6929

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ccggctcttg atgatcctga cgtcgcggtt gtggcggggg ttgatttgaa tggtgcggat 120

atcgcagggc atttaccggc tgaacttggt ttgatgacag atgttgcgat gtttcatttg 180

aattcaaacc ggttctgtgg tatcatacct aagagtttcg agaagttgag cctaatgcac 240

gagtttgatg tcagcaacaa ccggtttgtc ggacctttcc cttctgttgt cctctcgtgg 300

ccggctgtta agttcattga cgtcagatac aatgatttcg aaggtcaagt ccctcctgag 360

cttttcaaaa aggatctcga cgccattttc ctgaacaaca acagattcac gtctaacatt 420

cctgattccc tcggagaatc atcancctcc gttgtgacct ttgctcaaaa aca 473

<210> 6930
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-H5

<400> 6930

acgcgtccgt ccagatagag ctgtgtttca tagcaataga gctgcttgtt tgatgcagat 60

gaaaccaatt gattatgaat ctgtgatttc tgaatgttca atggctctta aatctcagcc 120

tggttttact cgtgctttgc ttagaagagc tagagctttt gaagctgttg gcaagtttga 180

tttagctgtt caggatgtta atgttttgtt gggttctgat cctaatcata aggatgctgg 240

tgagatttcg aagcggttaa aaactgcttt gggtcctcac caagatttgc agagccgtcc 300

ttcacctgca gctcttggtg cttcggctgc tttaggcggt cctattgctg gacttggtcc 360

ttgtttgcct tctcgtaatg ttcataaaaa gggagttact tcgcctgttg ggtctgtttc 420

gttgcctaan tgctangtaa tggtaanggt tgagaaggcc acangtggtg a 471

<210> 6931
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-H9

<400> 6931

acttttacgc cgnccggtaa cggtccaaaa attcccgggt cgacccacgc gtccgaatcc 60

atccaattta gggttagggc tgcccctaat ctggaaacct ttgcctcgtt tctgatctgt 120

tttccggatc cgacttgaag gaaagaagac gacgacgcac taccaaaaac atgggcgcga 180

attcgcttcc aacggatgca accctcgatc tagatgagca gatctcgcag ctcatgcagt 240

gcaagcctct ctccgagcaa caggtcagag cattatgtga gaaagctaag gagatcttaa 300

tggatgaaag caacgttcag cctgttaaaa gccctgtgac aatctgcggt gatattcatg 360

gacagttcca tgatcttgca naacttttcc gtattggggg aaagtgtcct gataccaact 420

atccgtttat gggagactat gtcgaacgtg gataatatcc gtgggaaact gttacncgtt 480

gggtg 485

<210> 6932
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-A3

<400> 6932

cgtaggcntg tgaaggttct naaggtcncg ggangcatca gccgacggct nngcccacgc 60

gtccggaata aattcttctc cttttctttt ttgttgcaac tagtgaaaga gaaagagacg 120

atcgcttann ttcttcttct cctacactct gcgtttttgc tctcttttta ctccgcattg 180

ctcctccgtt antatcttcg ccggcgaaaa tttgttttct ttttccctgg aggtaaattc 240

gaatcatgtc aaggcctgct ccgcttcnac ctcgttgccc gattccaaag aaactttctt 300

tgagtccagt tgcanataca ttctactctt cntcctcacc cattgaatca tacattggnc 360

aatacaagtc atctactcaa gattccaggc tcgaagatta acctgcgtgg cttgatgagt 420

tgctctgtga naaaactgat nggttgctca ctanaggagn cctccgntcc cgctcagcta 480

gcnatcag 488

<210> 6933
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-A4

<400> 6933

ctgttaccct gccgtagccg tccgaaaatt cnnagggtcg acncacncgt ccgattcgga 60

tctatcatca catccccaag gactacganc aagatggtcc ttgctggtcc atccaaatct 120

gccgatacta ttttcaaata catagctcct gaacaagttc ccgttaanta cggtggnctt 180

ancaaagata ctcctttgac cgaagaaacc ataacggaag ccatcgttaa accggcagca 240

aactacacta ttgaattgcc tgcttctgag gcttgcacgc tttcatggga gcttagggtt 300

ttgggtgctg atgtgagcta cggagctcat tttgagccaa ccaccgaagg aagctatgct 360

gtgatcgtct ctaagacacg gaagattgga tcaaccgatn aaccggtgat aaccgattct 420

tttaatgtgg gtgaaccggg aaagantgtg atcacaatcg acaaccatac ttccaagaag 480

aagaaagtgc ctacangtca aaact 505

<210> 6934
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D11

<400> 6934

attaccggct acaaggtttc tctgctcgtc aacgttctct gaattagtgg tattgaaaga 60

tgagcttatc tcagaatgct ccgaaaagta agggtattaa aagagaggag ctcaagaaac 120

agtacgaaga tgttgaagat gaggaagaga ttgggtccga tgatgatctc actnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntcggaactg gttgaaatga 240

aaaagcttga gaatttgata ttcgggtcac tctactctcc tgttacgttt ggtaaggaag 300

aagaagaaga tggttcggct ttgtttcatg ttagaccgtt ctgctgtgaa gcagattcct 360

gactacgaag gatgatgggg atgaatgatg aaagancttt ctgatgaa 408

<210> 6935
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D12

<400> 6935

gccgnccggt aacggtccaa anattcccgg gtcgacccac gcgtccgcac aagccaatgg 60

cgcaacttac taattccctc aattatctct tttctgtttc tctcttatta tttgtatcgt 120

tccactgctt atgttttcgt ttttcgttgg ttgcagcttg ttcaaactcc actgacgatc 180

aacagattca acaccatcac caccggaaat gggttggtcc ctcaggccac aaagtcatca 240

ccgtctcact taacggccac gctcagtttc gctccgtcca agacgctgtg gattccatac 300

caaagaacaa ttncaagagc atcacaatca agattgctcc cgggatttta caagagaaga 360

aagttggtgg tttcagctac aaaacccgtt ncataacgtt caaaggganc tgggtangga 420

tgttgaccgg ctatangagt gggcacgaac cgttcgtccc gaccttgggg gctaaaggtc 480

aaacaattta cnt 493

<210> 6936
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D3

<400> 6936

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tgtcaatctc tgcaatgtcg ttcatggtgt cagttggatt caacgcagct gccagtgtga 120

gagttantaa cgaantangt gctggaaatc cangatcanc agcattttca accgcggtaa 180

ctacaggagt gtcattttta ctgtcattgt ttgaagccat cgtgatcctc tcgtggcgac 240

atgtcatcag ttacattttt acggatagtc cagcggttgc ggaanccgtc gccgngctct 300

ctcctttctt agccattacc atagttctca atggaagttc aacctgtttt atctggtgtg 360

gccgttggat gtggatggca agcatatgta gcttacgtta acattggatg ttactacatt 420

gtggggaatc ngattggcta ncgttccttg gnttcacctn ngatanggga gctaagggga 480

atatggncag gga 493

<210> 6937
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D5

<400> 6937

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ttccaataat aaattttaca aatgctgtgt tcttgattgg ctttttttaat cctcactgag 120

atttgtgctt gaatcttgat tatcttggtg aagtatgttg tgttcaacca tatgagctct 180

gatggtgatt ctggtaacag gaaattcatg aactttgtga ttcattgcat caagaataga 240

agactagaag ggggaggtta attagattat cttaaggtgt ataaaatgga aaaaaagagt 300

gtaccaaatt ctgataagtt gtctctgatt agagtgttaa gaggtataat atgtctgatg 360

gtgttagttt caacagcttt tatgatgttg atattctggg gggttcttan cagctgtagt 420

gttgaggctt tcagcattcg ctatagcccg taaatgtgtt tccctctcct ttgggctccg 480

tggctcgcct tgtggc 496

<210> 6938
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D6

<400> 6938

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cgcaacttac taattccctc aattatctct tttctgtttc tctcttatta tttgtatcgt 120

tccactgctt atgttttcgt ttttcgttgg ttgcagcttg ttcaaactcc actgacgatc 180

aacagattca acaccatcac caccggaaat gggttggtcc ctcaggccac aaagtcatca 240

ccgtctcact taacggncac gctcagtttc gctccgtcca agacgctgtg gattccatac 300

caaagaacaa taacaagagc atcacaatca agattgctcc cggattttac agagagaaag 360

tggtggttcc agctacaaaa ccgtacataa cgttcaaagg agctggtagg gatgtgaccg 420

ctatagagtg gcacgaccgt gcgtccgacc ttggcgctaa cggtcaacag ttacgtacct 480

atcaaaccgc ttccgtcacc gtctac 506

<210> 6939
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D8

<400> 6939

caaacgaaaa gaagcgactt ttgcctcttt tggtctctcc ccttctccgg agagatctgc 60

tctctctatc tatctctcaa tctgtaagaa gaagattccc acttcagtaa aagccctaac 120

tttacttggg aaagttcttc atcnatcatc cttcaatcgt catcatccat ggctgatcaa 180

caaaccctag attcctctac tcctcctcct agtcaatccg atgatctatc tcactcccac 240

tctacttcct ctactacttc agcttcttct tcctcagatc catcactctt gaggtctcnc 300

tccttaagtc nactcaacgc cggngctcct gagttcgttc ctggtcganc tantcctccg 360

ctgcctcanc ctccgangat gatnatcgcg cctccnnccg ggtgganggt atggttcata 420

ggtatnacc 429

<210> 6940
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E10

<400> 6940

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aatccgctga gatcaaaaaa tgttttcgat tttatcatca tcttcttctt cacaactcgt 120

caattcaact ctcaatttcc aaaattcgcc gaaatctccg atcaccgtta tgtcgaagac 180

gtctaaattc aaaaccctga cggagaattt caccgtgaga gtgcttaaag cagagaatcg 240

cgaactgaac gtggctctgc tctcaccttt cactatcgct tcttcacggc ttgattctgt 300

cagtaatgtt gcgattccgg attgagctca acgaatggat ttgttgggtt tgggganaaa 360

ctccgatttt tgccgntcgg taacggcgga ggatcagata atggctntgg taaaagcncg 420

ggaagcta 428

<210> 6941
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E11

<400> 6941

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cagtccacag ggtctccctc tccccctccg tccgcaaact aatttccctg gggcccaggc 120

acccttgcag aatccttatg cttatagcag ccagttgcct acctctcagc tgccaccaca 180

gcaaaacatc agtcgtgcaa ctgctcctca aactcctttg aacattaatc tacggccaac 240

aactgtgtct tctgcaactg ttcaatttcc ccctcgttcc caagcaagca accgctacaa 300

aagatgcaac aatcctcctt ctgagctagc tcaagctctt gtcgcagcaa aactcagagt 360

ctaacaaagc aacattccaa tcgtctcaag caaggcaant ttctcaagct gcaagcaagc 420

aaggtgcaan tctaatgcan caaaccaaaa ccaaaaattt a 461

<210> 6942
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E2

<400> 6942

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tgttggaaac gtctaagtca ttaattgtcc tcgatgacat atgggaaaaa gaagattggg 120

aactaatcaa gccaatattt ccaccgacca aaggttggaa agtgttgctt acttctcgaa 180

atgagagtgt cgccatgcgt agaaatacat catatatcaa ctttaaacca agaatgccta 240

accactgaag acagttggac actttttcag aggatagcac ttcctatgaa agatgcagct 300

gaatttaaga ttgatgagga aaaggaagag ttgggtaagc taatgatcaa acactgtgga 360

gggttaccat tggccatcag agtgttagga ggtatgttag ctgaaaaata cacatcgcat 420

gattggagaa gattatctga gaatattgga tctcatctcg tgggaagaag aactaacttt 480

aatgacgaca acaacaatac atgttacaat gttatt 516

<210> 6943
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E3

<400> 6943

gggcggacgc gtgggcagcc atgttcatcc agatggcacg tgattcggaa gccaaaactc 60

tgggcaagtg gagcaatcct caatacaaac aaagaagaat ctgagagagc agaggaacat 120

aagctatgag gggtcaagag tggcagatat atcagtgatg gccacagagt atagccccgt 180

gctgaaatgg cttagctaca gggcatctcc agatgcgttt ccgggaatgg gcgaagagac 240

agatgaggag gacagtgata tttctgaaga tgatgaaata caagactggt gacattcacc 300

atcttaagtg tcttatatgt taggtcagat agaactggta tgatagttaa caacttaaca 360

tcaagggaag gaacactaat tgttctgctt acttataaat agaaaatgga gagtcacttc 420

tctatctaac aaaaaaaaaa aaaaagggcg gccgctnct 459

<210> 6944
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E6

<400> 6944

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tcccgagata ccgtagagat gagatttcat ccggggcacg aagctaataa tgtgaaggaa 120

gtatcagcca caagttggac tggcaagaga aatccaagaa ttgttattga tcttgaagaa 180

cctcctccca catgggtctc ccatagagag actacagagc atgctcaggc ttctgttagc 240

tatgttactg tgagaaatcc tgacacaaaa ccgtcgttct ttgatcggat cagctcaaac 300

attctgatgg atgtagacca atcactcgtt gaggatgata gtgataagac aactagtaag 360

gagtcaagtt tactggatct taataacaca ccggttgatg agtctgtttc cgagcctcgt 420

tactctctct tacaagatct ganctgtgc 449

<210> 6945
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-E9

<400> 6945

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tcgtttctcc gatgactctg acgattcttc cgacgatgct tcttccgtgg agggagagac 120

cacttcttcc atgtactctg cggggaaaga gtatatggaa acagaatgga ctaatgagaa 180

gcatagttta tatcttaaat ctatggaagc ttcattcgta gatcagttat ataactcgct 240

cggagctctc gggaagaacg agaatgtatc cgaatcaacg aggttcggta gcggtagaaa 300

accgtctcaa gaacagttca aggttcttca tgatgggttc ctggcaanaa gataatgtga 360

aacaacctgg aacatcggat taacgggaag ggacgggtgg taaattccaa tgagtttcct 420

aagg 424

<210> 6946
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-F1

<400> 6946

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tcagtttcgc ctctcggttt cttgaattct ccaaggattc atgcttacac aagttcaagc 120

tttcagttga gagggatgat gttgatatgt gtacaatcat gccgtggatc caagacgctg 180

ttaatcgtag aatccaacat cttgaagtcg actgtcgctt cagttttcat tttgaggcag 240

tgtatctaac cctttactta agtgagactt tggtttcatt gagacttcat tttgtgacgc 300

tgcatcgtta cgagtttgta tctttgccaa atctcaaggt gatgcatcta gaagagaata 360

tatattattg tcttgagact ctggagaact tcatctcatc atgcccggtt cttgaagatt 420

taaccgttgt tagaattgta gatattatca ccgagaagat tttacgggtg cgctcctagg 480

tcacttaaca gtcctcaaac tcgn 504

<210> 6947
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D10

<400> 6947

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ttctggtttg tctgagaacc ttatcaagga atgcattgag aatggagtga ggaagttcaa 120

cgtgaacaca gaagtaagaa cggcttacat ggaagctctt agctctggga agaagaccga 180

cattgttgat gtcatgtccg caacaaaagc agccatgaaa gctgtgatcg cagataagat 240

ccgtctcttt ggctctgccg gaaaagcttg agttgttgat aaaaaaatgt ccgatnaatt 300

agttaagtac aattgtacat cacatccaaa ggaataaaag aaacaacana tattacatca 360

catccaaaga agatgaatgc aattgtatgc caatgcagat gcaatngttg ttgggaatta 420

angaaatcan ttttagtacn ggtttaaccn gttttttttt c 461

<210> 6948
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H9

<400> 6948

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gcctaaagat gagttctaaa ggagaaggct ctagttctac ggcggagagg gaggtgaaga 120

aacaagtagc gagtgtgatt cccgttacga ggaagctggt gaagactatg gccgcgaaag 180

ccattatctc tgctctcacg ccatccggtt gtggccggca ctctgactct accggcgacg 240

gcaaaggtaa cggagggcgc gtgtaccccg gtactcatcg ttgatcggcc attttcttgg 300

gattgaagat atatatgccg tcatgatcgt ttatgggttt tctttttatg ttttttttt 360

atatatctaa atgttggtgt tctcgttgat aattataagc ttttgataat taatgcttct 420

cctctttcnt tcttcctaaa agatttaaat gtttt 455

<210> 6949
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A1

<400> 6949

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gggaagagcc ctagctctcg agctggccaa gaggggtcac actgtgatan gatgcgctcg 180

tagtcaagag aagctcaccg ctcttcaatc ggagctttcc tcttcgacca atcatctcct 240

cctcaccgct gatgtgaaat caaacagcag tgtcgaagaa atggcacaca caattgtgga 300

gaagaagggt gtcccagata tcatagttaa caatgctggt accatcaata agaacagcaa 360

gatttgggaa gtctctgctg aagattttga caatgtcatg gatacaaacg ttaaaggagt 420

tgcaaatgtg ctgcgccatt ttancccttt gatgctccca cg 462

<210> 6950
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A11

<400> 6950

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gccgacccga atcaagaaac ccatggcccc cggagaagaa gacccttaa aggtctcctc 180

gccgtctcat ttggtctctt gttcatcgcc ttttacgtcg ctctcatcgc cacacacgac 240

ggatctagat ccaacgacga agggatcgat gaaacagaga cgataacgtc acgtgcacgt 300

cttgctggtg tgtcggagaa acgtaacgat gggttatgga aactttccgg tgatcggaac 360

acgccggcgt ttgaatggaa caatagtatg ttgtcgtggc aacgaacggc gtttcatttt 420

cagcctgagc aaaattggat gaacgatcct aacggtccat tgttctacaa gg 472

<210> 6951
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A12

<400> 6951

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gtccgcaggt gtacagattg caaataaata atgggatccc tatcaaaagt tggtacgatg 120

atccaactga tgatgggttg attactatac ttcccttctt agagactttg gctgttgctg 180

atgatgttcg gcctatcatt ggcaggagat ttggtaacaa ggaataagag tttccttctc 240

ttttttttcta tatacatcga gtgcagatcc tgatttctct cctttggatt ttagttacaa 300

attggccctt aattagttcc tcatatctct ttttaggtcg ttaattaggt aaccaaagaa 360

taagctcgtt gagtctagtg agaataagtt tccttgcttg ctccctttt ttaataagaa 420

gacctagttg tgggcttaaa tcttatgact ttgctgggtt cttctctgcc aagatagatc 480

ctagaaaatc ttgcagtt 498

<210> 6952
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A2

<400> 6952

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cattacattt tcttccgatc aatacagaga gatcagtttc tgagagagaa gaanatgtct 120

atanaggaag aaaacgttcc aacgactgtt gactcaggag ctgccgatac aacggtgaan 180

tctccggnga agaaaccggn ggcgaaaggt ggtaaatcta acaagacgac gacggctaaa 240

gcaaccaana agcctgtgaa agctgctgct ccaacgaana agacaacaac ttcctctcac 300

cctacctatg angagatgat taaagatgcg attgtaacgt tgaaggagag aactggntct 360

agtcaatacg cgattcataa attcatagan gagaaacata natcactgcc tcctactttt 420

angaagcttt tgcttgtgaa tctcaagaga cttgttgctt ctganaaatt ggttaaagtc 480

aaagcttcct ttaagattcc ttctg 505

<210> 6953
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A3

<400> 6953

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gaggagctgg tgttgaaaga aattatacca aggcacttga atggcttaca cttgctgcaa 120

aagaaggtct ctattcagca tttaatggna ttggctactt gtatgtcaaa ggctatggag 180

tagnataaga nnncctatac taaggcaaga gaatattttg agaacgctgt tgacaatgaa 240

gaccccagtg ggcattataa ccttggagtt ttgtatctta aaggcatcng agtcaacagg 300

gatgtgaggc angcaacaaa atacttcttt gttgctgcaa atgctggtca accaaaggct 360

ttctatcaac tcgccaagat gttccatact ggtgttgggc ttaagaagaa tctggagatg 420

gcgacttcat tttataagct agtagcagaa agggggccgt ggaattctct ctcta 475

<210> 6954
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-A4

<400> 6954

acgcgtccgg cnatggaagg agagaagcaa ttggaanaaa ctattgaagc ggcgtttcag 60

ataatttcan ccatgaatga tgagctttgt aatccgtctt tgtggtctac ttcagctacc 120

ccgagttccg ccgcgacgac gacgggttct aatgggttcg gctctcgttt ccgccgatgc 180

ggctgcgatt gatggaacat cgcatcattc ggaatctgct ggtggtggcg ggggcggagg 240

aagtggaaat agtgttttgg atgaggcgag tcttcggtat aagaactcag tgacttcgct 300

tcgtgctgtt cttgctgcga ttccaaattc gcagaaggca aaagcatctg aaatgcaaaa 360

tggtttagga tccctgaaag tgaagacgag atcgaaaaat tggaggagca agccttaagt 420

ctcaaaatgg agattgcaaa gaagaatgtt catgttaaa 459

<210> 6955
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-B1

<400> 6955

ccgtaggccn caggaattcc aaggtcgacc cacgcgtccg gcgatggaag gagagaagca 60

attggaagaa actattgaag cggcgtttca gataatttca gccatgaatg atgagctttg 120

taatccgtct ttgtggtcta cttcagctac cccgagttcc gccgcgacga cgacgggttc 180

taatggttcg gctctcgttt ccgccgatgc ggctgcgatt gatggaacat cgcatcattc 240

ggaatctgct ggtggtggcg ggggcggagg aagtggaaat agtgttttgg atgaggcgag 300

tcttcggtat aagaactcag tgacttcgct tcgtgctgtt cttgctgcga ttccaaattc 360

gcagaaggca aaagcatctg aaatgcaaaa tggtttagga tctcctgaaa gtgaagacga 420

gatcgaaaaa ttggaggagc aagccttaag tctcagaatg gagattgcaa agaagaatgt 480

tcatgttaaa 490

<210> 6956
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-B11

<400> 6956

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gtttatttgc ttatgtttat cttttgatct gatctataaa tatatataca ggttatcaaa 120

aggcctccac caaaaccaac tcaacatctc cgcctccatc tccgcctcca tctccgccgc 180

gagttccaga cgctcaagaa ttggagtacc ttaaatccga ctcttttccc gaacacgatg 240

cgtagagttg tcattcggac ggaggtgtgc gttccgataa aattaggcta ccgccgcggc 300

tttcagacct tctagaattg gagaaattgt ttcccgaacg cgaggcgctg agttgtcctt 360

tggacggaga tgaggattcc aatgaactta ggctacggcc gctggttcca gacgctcaag 420

aatggaagta ccctaaatcc aagttatttc ccagacacgc ggcgtggagt tgtcattcgg 480

gcggaggtgg aggtggaggc n 501

<210> 6957
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-111-Q1-E1-B12

<400> 6957

aatggtcgcc tggccgtaca agtccggaaa ttcccgggtc gacccacgcg tccgcccacg 60

cgtccgcacg agagtcacga gagatcgaga gaagtctttg attctcttct ctcatcaaat 120

caaaatatca tctcagagac tccgattctc tctgtttctc ctccactttt caacccaagt 180

ccaccctcaa aattctcaga atgattgctc ggatccttgc cgccttagcc gattccatgg 240

agatgccggt ggctgccggt ggtggatcag tgctcggtac catcaaaatc gctgtgatgc 300

caattgcaaa ggtattcacc atgtgcttct tgggtcttct catggcctcc aagtacgtta 360

acatcttgcc tccctctggc cgcaaactct tgaacgggtt ggtcttctcg cttttgcttc 420

cctgcttgat cttttcccag ctcggacaag ccgtcactct ccaaaaaatg cttcagtggt 480

ggttcattcc cgttaacgtc gttc 504

<210> 6958
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-111-Q1-E1-B2

<400> 6958

acgcgtccgg atttcttttc ggggagatct agtagttgtt ggattcgtta aacggagaag 60

tggatttggt acgagtcttt aggtttcctt cttcaccaaa agctctatat agagagaatc 120

tgcgagctct ttttggtagg aaattagggt tcgtgttgct tggtaaatat agaatcaatg 180

acggaggttg ttctgcatat atacgatgtg acgaacagtg gatcggagaa gactaacaac 240

accattgttc agatcaatag gttcttcaaa gacgggatcg gtcttggcgg tatattccac 300

agcgctattc aggtatatgg aaacgatgaa tggtcttacg ggtattgtga actaagaact 360

gggtgtattc agctgcccga atggaaagaa tccaatgtac acataccgtg agaaaatcgt 420

ccttggcaaa acagattgca caatcctcat ggtgaatca 459

<210> 6959
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-B7

<400> 6959

nctggttccc ctgggccgta ccgagtccgg aaattcccgg gtcgacccac gcgtccgatt 60

gctcaatatc tgtaatacat ctccgatatt aacgacaata gctcccggaa ttggagggac 120

atgaatccat ttgtctccat cctcagtggc tcgggcgtaa agactgctta atacaccatc 180

ttcttgtagg aggagagtga gagtgttgat gtctgagtgg cgaccagttc ctatggccag 240

gcttggctca ggacatttcg gatagtagtt gaagttcatt ctcattgttc ccattagggt 300

ttctttattg gactcatcga tgattgtgtt tagattgttg atgaacagaa ggccacgtgg 360

cagcgaagtc atgtcgttga ggaagatact caaacttgag gaaatctctc cattccaaaa 420

cactttctat gcaaggattg aaacttgtgg tcaaccacgc cgtctccgac actgaactcc 480

ctctccaata ccttcttctc tc 502

<210> 6960
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-B8

<400> 6960

acgcgtccgg canagcgaga anaaatggca accatgtctg ctcttcagag ctcttttact 60

tctctttctc tatctcccag ctcttccttc ctcggncagc gtttantttc cccgatttcc 120

ctctccgtca cttctccggt caagcccgct gagaacccan gtcttgttct tgcaaagctc 180

aagcgttggg aacgaaaaga atgcacacca aacagtcttc cgattctcca canaatgcat 240

gtcaagtttg gagatacagt caaagtaata tctggacgcg acaagggtaa aatcggatag 300

gttactaana ttttcantca caacagtacc attgtgatca nagatgtgaa cctcaaaaca 360

tnncacatga agagccgana agagggagag cctgggtcaa attgtcaaga tagaagcacc 420

tatcnacagc tcaaatgtga tgttgtantc aaaataa 457

<210> 6961
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H4

<400> 6961

nttcaaaagg tcgacccgac gcgtccgttc ttcnctgctc ttctctcctc cngttagaac 60

actaagaaag aaagaacaaa aaantgctca aaacaagttt tcttcntctc caaatccctt 120

tctcccttct tccctccttc aaatgttagt tatcggtcgg gagggaagaa cattcggcgg 180

gcggtttctc aagcgggagg gagaatccat ttactccaaa aagcatctct aagttcgtta 240

ctggaacaaa gagaattcgt gggccaatct cccaagatcg ggaggttttt aatctcaaaa 300

gcttcaccac tcaaacgccg gttagactca agcaactttc tcaaaaactc gccggccgcg 360

naactcgctg ccgactccgt tttccccgaa tttccggctc cgccgcgaaa tctcttccgg 420

tttttcccgg attttaggaa gccaagttct cgaggaaaac acgaacgaac gaacgtttaa 480

aattccccgg tttaatgacc aagaaggaac nttcaactaa actaanggga aat 533

<210> 6962
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-F3

<400> 6962

tgtttacccn cccgtagcct ccaaaaattc nanggtcnac ccacncgtcc gcncacgcgt 60

ccggcctgag ggatgacata agggattatg tgagaatctt ggtgattggt gcgggtgggt 120

tgggttgtga gcttctcaag gatttagctc tttctggttt tcgtaatctc gaagtgattg 180

atatggaccg tattgaggtt actaatctca atcgccagtt cctgttcagg attgaagatg 240

taggaaagcc taaggcagag gtagcagcaa agcgtgtaat ggagagagtg agtggagtag 300

agattgtgcc gcatttttca cgtatagaag acaaagagat tgagttttat aacgatttta 360

atatcattgc tcttggtctt gattctatcg aagctcgcaa atacatcaat ggggtagctt 420

gtgggtttct tgagtataat gaagatgata ctccgaaaag agaaacgatn aagccaatgg 480

gta 483

<210> 6963
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-F4

<400> 6963

ctgtttacgc cgcncgtagg ccgtccaaaa attcaagggt cgacccacgc gtccgnaaaa 60

tatgagcgaa gaactaagtc aaaagccatc atcagctcag tctctgtcac tgagagaggg 120

cagaaatagg tttccttttc tgtccctgtc acagagagag ggcagatttt ttccttctct 180

atctctttca gagagagatg gaagaaagtt ttcttttctc agtatgttct cttttctcat 240

gccactgttg gaggttatta agattattat tgcttctgtg gcctccgtaa tcttcgtcgg 300

tttcgcctgt gtaaccctcg ctggttctgc cgcagcatta gtcgtaagca ccccggtttt 360

catcatattt agtcctgttc tcgtaccagc tacgatagcc acggttgtct tggcgacagg 420

attcacggcc ggtggctctt ttggancgac aagcacttgg tcccatcaat gtggcttgtt 480

aaacgtan 488

<210> 6964
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-F6

<400> 6964

gtaaaggtcc aaaaattccc gggtcnaccc acgcgtccgn gacatttctg cgcagagatt 60

tgccatgaac gggaagaagc atgagactcc ctcccgggtt tcggttcgat cccgatgatg 120

aagatcttgt gttcgagtat ctcgccaaga aggtcctcca ccgtccaatg gacttcgatc 180

tccctgagct ccgttcttgc aatgttgatc catgggactt gctaggagag aagaacaagg 240

aagtgtatta cttcgtgaag aaggaagagc gagagaggaa gggaagagag acgttatccg 300

gttattggga agagtgtgaa gaagaggaag taatggaggc tggtggtcgt gattgtattc 360

atttagaagg aaggagaaag acatttgctt tctttattgg aaaaaaacct cgagggacaa 420

taactccatg ggatcatgta cgagttccga cttctttcct ctagagct 468

<210> 6965
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-F8

<400> 6965

gggataaaac aaaaagaaaa aaaaaacatt ttttccaaca cttgaaaaga aaaatcataa 60

actttactaa taataaagtt tactattaat gaagggaggg gttaaacttt tggccgtgtg 120

cctttgcgtg gccacggcga ccgtcatgat ggtccaagcg gaggaccctt acttccacca 180

cgtgtggaac gtgacgtacg gaaccgcatc tcctctcggc gttccacaac aagtcatcct 240

catcaacggt caattccctg gtcctaacat caactcgact tctaacaaca acgtcatcgt 300

taatgtcttc aacaacctcg acgagccttt cctcatcacc tgggccggga atccagcaca 360

ggaagaactg ctgggcaaga tggaacagct ggaacaatgt gtccgattcc tccggggtca 420

gaa 423

<210> 6966
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-G1

<400> 6966

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catatgggat tttcctctgc atcgattgtt cagctactca ccggaatctt ggtgttcata 120

tcagcttcgt cagatcaacg aatttagact cttggagccc ggagcagctc aggacaatga 180

tgtttggtgg taacaaccgt gctcaggttt tcttcaagca acatggatgg actgatggtg 240

gcaaaattga agctaagtat acttcaagag ctgctgattt gtatcggcag attcttgcta 300

aagaagttgc gaaagcgatt gcggaagaaa ctaattctgg tcttctgtca tctcccgttg 360

ctacttctca gttancggaa agtatctaat ggggtttcct cctaanccgg tcaaaggaag 420

antttacctc ctt 433

<210> 6967
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-G2

<400> 6967

ngttaactgc cgtagcctcc aaaattccaa ggtcgaccca cgcgtccgcc cacgcgtccg 60

cggacgcgtg ggactacaca agatggtcag aaagagtctg ataaaagaag ccaaaaacag 120

aaagtctcgg agctgaagga aggagggatt ctgaaacctc caaagaaacg gtaacccact 180

ctactaattt ctgtcatcac tttttggcga ggttcagcca gctcagtgaa ggaagttaag 240

gggtttgaat aattggtatg ctcatgcaat tctttttggt aattgcatac ctgaaattta 300

gttgcagttg ttttttttgac naagtctcaa gcaggaaagg agatggtttc aggagctgca 360

ctctttaggg ttatgttgaa tggagtcttc aacctgttta gaagctccat ttttaatacc 420

tttatgcttt aaactgttag ctctgtttcc aatggatgtt tccacaagtt gtaacttttg 480

caa 483

<210> 6968
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-G5

<400> 6968

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tttctacaac agatgcacca agggttcatg ggatttcgcc tacgctggaa aagcttcccg 120

gagaccaatt cttgtcgcag cttccgttgg tagctatgga gcttatctcg ctgacggctc 180

cgaatacagt gggatatatg gagattctgt gagtaaggag acattaaagg atttccatag 240

aagaagagtt caaatcttag caaaatctgg agccgaccta atagcattcg agactattcc 300

aaataagctc gaagcagagg cttatgcgga tcttcttgag gaggaagata tcgatattcc 360

ggcatggttc tcgttcactt ccaaggacgg gagtcagtgt gccacgaaga gantcagttg 420

tagaat 426

<210> 6969
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-G7

<400> 6969

gagactgtag agtgaagttt gatttattta gagagataag ttaaaaaaaa aatggtcggt 60

atggatttgt tcaaatgtgt aatgatgata atggtgttgg ttgtctcttg tggtgaagct 120

gtttctggag ctaagttcga tgagctttat cggtcaagct gggctatgga tcattgtgtc 180

aacgaaggcg aagtcacaaa actcaagctt gacaattact ctggagctgg gtttgaatca 240

agaagcaaat acttgtttgg taaagtctct atccagatta agcttgttga gggtgattca 300

gcaggaacag tcactgcttt ctacatgtct tcagatggtc cgaaccacaa cgaattcgat 360

tttgagttct tagggaacac taccggcgag ccttacatag tccagaccaa tatctacgtg 420

aacg 424

<210> 6970
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-G9

<400> 6970

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aaatttcctc tcctaggttt agttctgttc ctcggtctga ccggctcact tatcgccgcc 120

aatgagtatg cctgttctag taccgatata cactttactc gtgccaattt ccctaaaggt 180

ttcatttttg gtaccgcaac tgctgctttt caggttgaag gagctgtaaa tgaaggatgt 240

agaggtccaa gcatgtggga cgtatacacc aagaaattcc cacataaatg taattatcac 300

aatgccgacg ttgctgtcga tttctaccat cgttacaagg aagatatcaa gttgatgaaa 360

aatctgaaca ctgatggctt tagattttcc attgcatggc ccagaatatt cccccatggt 420

aagatggaga aagggaatan gcaaagcaag tgtt 454

<210> 6971
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H1

<400> 6971

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tgcccattct ttgtcgtcgt ttttcgattt tccttgattc gccggagaaa tagcgtttcc 180

ggcaatgaaa acctctctcc gacggttacg aggtgtgctt cacaagcatg aatctaaaga 240

ccggagagat cttcgagctc tggttcagaa agatgagctt gcccaagctt ctcaggacgt 300

agaagacatg agagattgct atgatagctt gctcaatgcc gctgctgcta ctgccaatag 360

tgcttaagaa attttccgaa tctttgcgaa aactaagtgc ntgtctc 407

<210> 6972
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H11

<400> 6972

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tggggctgaa gtctgaaaga tgcaggcaag tgataggttt aacataaatt ctcagcttga 120

gcatcttcaa gctaagtatg ttggtacagg tcatgcagat ttgagcagat ttgaatggac 180

tgtgaacatt cagcgtgata gttangcttc atacattggt cactacccga tgctttctta 240

ctttgcaata gctgagaacg aatctattgg gcgagaacgt tacaacttca tgcagaaaat 300

gctcttacct tgcggccttc ctccagaaag agaagacgag taagagcttg tgtgcatttg 360

aaattaaaaa aaacattcta cttcttagaa gcttgtgtgc aatcttcttt aactgctcca 420

ccaatgtaat tgccgaaaag gcttcttcct gtttctagtt cataatgcan ttgttgatca 480

tgatctaaac antt 494

<210> 6973
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H12

<400> 6973

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nccntcaaca atttaaccgg tccaatccct gattctccgg ttttcttaaa ccaggaatca 120

aatttctttt caggaaaccc gggtctatgc ggtgaaccga cccgaaaccc gtgtcttatc 180

ccttcctcgc cgtctatcgt ctccgaagcc gacgtaccga cgtctacacc agcaatcgcc 240

gcaataccga acacaatcgg ttcaaacccg gttaccgatc caaattcaca acaaaccgac 300

ccaaatcccc gaaccgggtt acgacccgga gttataatag ggatcgtagt cggagatatc 360

gctggaatcg ggatcctcgc cgtgattttc ctnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

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caacatttca tcctc 495

<210> 6974
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-H2

<400> 6974

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gggtggtcaa gctgatccac ctgataacat attcaatgca ttaggaaacg aattttcaca 120

tcctagtgga gcaggtcgag gaaagcctct tgtggaatct gctccaatcc gacaagaaga 180

taaccgccaa attcgacgcc ctccgcctcc accgcagcag cagagagtac aacctcagca 240

gaagcgggct ccaacggtca aagatggaac tcctaagccg caattnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctatgcg tatatttgct 420

ggagattcag ctgatggaga gaaatttgct gagaaaatng ganctgaaat tgattgaaaa 480

cncttgcggg a 491

<210> 6975
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-F2

<400> 6975

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ggctacctga tgcctagtcn tcacgtgcgt ggtacttcat tagttccatc tttttgctta 120

ctactttatt ttgggtaatg ttcangcgaa aaagtcgttc tatttctcct aggcgccatc 180

naagtcgatc tgttactcct aagagacgtt ctccaacccc aaaacgttac aaaagacaaa 240

agagtaggag ttcaactcca tctcctgcaa aaagatntcc cgccgcaacc cttgagtcag 300

ccaaaaatag gaatggagaa aaacttaaaa gagaagagga agaacgaaaa aagcgacagc 360

gtnaagcaga actgaagcta atanaggaag aaactgtgaa acgggttgaa gaagctattc 420

gaaagaaagg tcgaanaaaa gcttacagtc tgagaaaatc aaaatgggaa antccaaccc 480

cggttggagg 490

<210> 6976
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-C7

<400> 6976

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aacacgcgtc cgcccacgcg tccggcagaa tcaaggagtt catattcaag agactcttct 120

gctaactcca ggggtagaga agataggcgt tttgttgcca aagagttaga tacatttcag 180

ggacgtgata aagcttatga tgaggtttat aatcctcgaa ggttcactga taatgagaaa 240

ggactcagag gaggatcaca ttcaaaaggc tctgatacta actctcgggg ttggggtgat 300

aggcgttctg ttgtatatac aagagatatg gatgattgga gagagaggaa taaaaccaag 360

gatactaggg agactggctt ttttaagccg gaaaactttt gcagaaattg gatgtagtga 420

agatatgatg aaggccttaa aggaacanaa ttttgatccc cggcacatat tcaggctagg 480

gctttttc 488

<210> 6977
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-D10

<400> 6977

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tttaagcggg gcaggatatc ttcagcgact tgatctatca cactgttctt ctgtgatatc 120

attggatttt gcgagtagct taaagaaggt ttcagcatta cagtcgatca ggttggatgg 180

ttgttctgtt acgcctgatg gtttgaaggc gataggcaca ttgtgcaatt ccctgaaaga 240

ggttagccta agcaaatgcg tgagcgtaac tgatgaaggt ctttcttctc tagtaatgaa 300

actgaaagac ctcagaaaac ttgacatcac atgttgccgg aaactaagta gagtttcaat 360

cacccaaatc gccaattcgt gtcctttact aagtctcttt gaagatggag tcttgttctc 420

ttgtttccag agaagccttt tggttgatcg gacaaaagtg tcgggctact tgaagaactt 480

gacttaactg acaacgaa 498

<210> 6978
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-D5

<400> 6978

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ttcaggcttc acttgctagc gagtatactg cagcagtaaa ccgagttgtt tggagtcctg 120

atggaggtct actgggtgtc gcatattcca agcatattgt gcatatatat tcatatcatg 180

gtggcgagga tttacggaat catctagaga ttgatgccca tgctggtaat gtcaacgatc 240

ttgctttctc ccaaccaaac cagcaattat gtgttgtgac ttgtggagaa gacaagacaa 300

tcaaggtctg ggatgctgtt accggaaata aattgcacac ttttgaaggt catgaggcac 360

ctgtttattc cgtgtgccca caccaagaaa gagaatattc aagttcataa tcccaactgc 420

ctgttgaat 429

<210> 6979
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-D6

<400> 6979

tcctctttaa tttcatttcc agctgttggt tggcttgaaa gtacggtatc cacagcgaat 60

cactattctt agaggaaacc atgaaagtcg tcagattact caggtttatg gattttatga 120

tgaatgtctg cgaaagtgag tttccctgca aacattctta tgttgtataa gctactgact 180

cgctttgttc atgtgatgac aaacttcttt aactaatact atgcatgtcc tcatggtttc 240

tgttgtcgct gctaattttc tttctttctt tattctagtc ctggctagtt tatattgatc 300

taccgggtta atattgcttt gctcatgtga ctgtgttctc atgacatttt ttcgtacctt 360

aagttgttgt tagatagtgc cattcaaaaa tgaatttgat aagatatgtc tccttctatg 420

ca 422

<210> 6980
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-D7

<400> 6980

acgcgtccgc atctttcaga gctagtaagc agaagctgga aagtttatta cagaaatggt 60

cagaatggga ggctgaaaat acgtccttgg ctcaggatca agaacaacta ttcgaatctg 120

gtgaagagac atgtttcccc gccatacgtg ttggattgca gaagacttcg tctgtgtcat 180

tctggatcga caaccaaact ggtcataagc cgttggaaga ttttgttcta gtggaaagta 240

gcaccactcc tctttatgac cgtaaatttg ctataggttt aaattcagca gatggctcaa 300

gaaacgtgga agggggattg gagattattg atgatgatcc tccacgttgc ttcaattgtg 360

gtggctataa gtcattctct aaagagaatg tccaagggcc tttggatcga tnagcggtta 420

aaaagtgcc 429

<210> 6981
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-D9

<400> 6981

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acgaagccac cattgggagg taacaacaat cctnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnngcagca atgtctagat tcccgtcgaa catcgacgtg 240

catctccggc caccggggtt gattcagaac cgacccatta atcctccgcc tcagcagaat 300

cctaccccta accctaattt gggannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnatt 420

gatgaggcca ttgaatcaca tcgagcttca atgcgcttat caaggacgct tggcgttgtt 480

t 481

<210> 6982
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E1

<400> 6982

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tcttgattcg ttttctcgcg tatagagaga aaaatggcgc ttaatttatc gcatcagcta 120

ggagtactcg ccggaactcc gatcaaatcc ggtgaaatga cagattcatc gttgttatca 180

atttcaccac catcggcgag aatgatgaca cctaaagcaa tgaatcgaaa ctacaaggct 240

cacggaacag atccatcacc gccgatgagt ccaattttag gtgcgacacg tgcggatctg 300

tcggtggcgt gtaaagcttt cgcggtggag aatggaatcg ggaccattga agaacagaga 360

acgtatagag aangagggat tggtggaaag aaaagaaagg aggangangt gttcccgtgt 420

ttgtgaagat gcc 433

<210> 6983
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E12

<400> 6983

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gggagaagaa tcacattgat agattcgccg ccgatctaga gccgttgatt ttcttantcg 120

gnaaaagaaa atgagtggaa gcagaaggaa ggcgacgccg gcgagtagga cgcgagtagg 180

gaattacgag atgggacgaa ctctcggaga aggaagcttc gctaaggtga aatacgccaa 240

gaacaccgtc accggagatc aagccgctat caaaatcctc gaccgagaaa aggtcttccg 300

tcacaaaatg gtcgaacagc ttaaaagaga aatatctaca atgaaactga ttaaacatcc 360

aaatgtggtt gaaatcattg aggttatggc gagcaaaacg aagatctata tcgttcttga 420

gcttgtcaat ggaggtgaac tctttggtaa aatcnccgca acaaagggaa gctttaggng 480

<210> 6984
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E3

<400> 6984

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ctcttggtgc tgcaaaggga cttgcttttc ttcacagttc cgagacaaga gtgatatacc 120

gagatttcaa gacttctaat atccttcttg actcggagta caacgcaaag ctttctgatt 180

ttgggttggc taaggatggg ccaataggtg ataaaagtca tgtctctaca cgagtcatgg 240

gtacacacgg atatgcagct cctgaatacc ttgcaaccgg tcatctaaca acaaagagtg 300

atgtctatag cttcggggtt gtccttctgg agctgttgtc tggtcgtcga agcagtggac 360

aagaacccgc ccatctggag agaggaacct tgtggagtgg gctaaaccat acctcgtaaa 420

caaaaagaaa gatattccga atcantgata atccgtcctc aaggaccaat tactccaa 478

<210> 6985
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E4

<400> 6985

acgcgtccgg taaaaaatgt cgttgtgttt gggttatagc ttgtatggta acatcatgga 60

tcttcttaca ccgatgggga caaagaaaca agagtggtcc aaagacttgg cctttggttg 120

gagcagcgat cgaacagtta actaattttg atcgaatgca tgattggctc gttgagtatc 180

tttataactc aagaacagta gtggttccaa tgccattcac tacttataca tacatagctg 240

atcccatcaa cgttgaatat gtcctgaaaa caaacttctc caattacccc aagggagaga 300

cttatcattc ttatatggaa gtattgttgg gagatgggat tttcaattct gatggagaac 360

tttggaggaa acagagaaaa accgcgagtt tcgaatttgc ttccaaagaa tcctanagat 420

tttagta 427

<210> 6986
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E5

<400> 6986

aaaagaaaga caaaattttc ttgcaattga aggtgaggtt tggtgaaagg gaaattgaga 60

aaaccctaga acaagtacgg tctctatttt gctttaatgg gtcgcgaatc tgtggctgtt 120

gtgactgcgc cgccctcggc gactgctccg ggtactgctt cggtggcgac ctcgcttgct 180

cctggcttcc gatttcatcc gactgatgag gaactcgtga gctattactt gaagaggaag 240

gttctgggcc aacctgtacg cttcgatgcg attggagagg tcgatatata caagcatgag 300

ccctgggatt tagcagtgtt ttcgagattg aagacaaggg accaagaatg gtacttctac 360

agtgcattan gataagaagt atggnaaacg gtgctaagga tgaaccgagc aactaacana 420

aggtactg 428

<210> 6987
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-E8

<400> 6987

gccgnccggt aacggtccaa aaattcccgg gtcgacccac gcgtccgtct caatccaaca 60

aagaaaaaaa aagtcttctt ctttttttac aagtctgaga attttctaca gaaacaaaaa 120

tctgattgtt tttcccactt tgcatctgtt ttgaggatgc cagctacgga ttttcaagga 180

tcatttggaa ggtcgttgct aagtttacgg cgagaccaag ttgactcatc aacagtcgtc 240

tccggaagta gtagccacca cgagccaagc accatggagg ttgagctaga ttcgtttcaa 300

agacaagtcg ctgagaaatt catcgatctc aacgcttctt caaacgacct tctctctctc 360

gaatggatcg gaaagcttct tgattctttc ctctgttgtc aagaagagtt tcgagctatc 420

gtattcaacc aaccgatctc aagatttcta aatctccgaa tgggaccgtt tgaattca 478

<210> 6988
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-E9

<400> 6988

acgcgtccgg gcacagagga cctgactgga gtggcttata tcagaacgga gataattact 60

tggcccatca acgtcttgcc gtcatcgatc ctgcttccgg tgatcaacct cttttcaacg 120

aggacaagac cattgttgtc acggtgaacg gagagattta taaccatgag gagctgagaa 180

aacgtctgaa gaatcacaag ttccgtactg gtagtgattg tgaagtcatt gctcacttgt 240

acgaggagta tggtgtggat tttgttgata tgttggatgg aatattctcc tttgtgttgc 300

tcgacacacg agataactct ttcatggtgg ctcgtgatgc gattggtgtc acttcgctct 360

acattggttg gggactagac ggatctgtgt ggatatcttc agagatgaaa ggcctaaacg 420

atgactgtga gcatttcgaa acgtttcctc ca 452

<210> 6989
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-F10

<400> 6989

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntgacacc gagtcgaaat 180

ctcaaacgcg cgaaagcgga tccagtgtag acagaatcaa ggcggaatcg ctattccgtc 240

ggatgcgagc tgctcctgtg ccggtgcgtg ttcacgacgt gattatcggt ggaaacgaag 300

aagactaagg accatatcat tgaagcggaa gtggatgctg tgagagaggc gaccacgttg 360

ccaattcgaa tctccgtgcg ttagatatct ttgattccgt caacattacg cttgantctg 420

gtccccccga a 431

<210> 6990
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-C5

<400> 6990

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntctttgtgg 120

ccctctttat ctcggccgtg ttagtgagct cagtctccgc ggctacaatg gagtctccag 180

caccatcacc aggtgcttcc tctgcctcca ccgtagcttt tccggtggtt ggctccattg 240

ttgctgcatc actctccgcc ttcttggctc ttctcttgca gtagaaagac aagagtcctc 300

aaaatatgag aaggagatat ataacaaaac tctttttttg ttctgatttt gttccttaga 360

atctatgatg acaaataacc cattttgatg tataatctca ttgtgtaagt tattacacta 420

atatatatga agtatatgat aataataaca ctattttatc aagatctaaa anaaaaaaaa 480

a 481

<210> 6991
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-E8

<400> 6991

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tcatgctagt ctcatccaaa caagccccaa gctcatggct catgcggctc tcaacatcac 120

attagcctcg gctaaagtaa cttcagcaat gatggtgcgt ctctcgaata atcggctcaa 180

gcctaaagaa ntctcggcca tganagactg cgtcnaggag ttaggtgaca cgttggagga 240

gcttaggaaa tcgattggtg agatgtgtca gctaanttgg ntcnanctat gaagnttaca 300

tnnccgatan agagacttgg gtcagtgcgg ctttgacana tgtgaacaca tgtactgacg 360

ggatttnaag gagaagatat gggncgggga angttaaggt tttgggtana aggg 414

<210> 6992
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-F11

<400> 6992

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ataagttaaa aaaaaaaatg gtcggtatgg atttgttcaa atgtgtaatg atgataatgg 120

tgttggttgt ctcttgtggt gaagctgttt ctggagctaa gttcgatgag ctttatcggt 180

caagctgggc tatggatcat tgtgtcaacg aaggcgaagt cacaaanctc aagcttgaca 240

attacncngg agctgggttt gaatcacaga accaaatact tgtttggtaa agtctctatc 300

cagattaagc ttgttgaggg tgattcagca ggaacagtca ctgctttcca catgtcttca 360

gatggtccga accacaacga attcgatttt gagttcttan ggaacacta 409

<210> 6993
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-F6

<400> 6993

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caaatggaaa cttaaaagac gataggacag ggactggtac attatctaaa tttggttgtc 120

agatgaaatt caatttacgc aggaattttc cacttctgac gacaaagaga gttttctgga 180

gaggtgttgt tgaggaactt ctatggttca taagcggttc aaccaatgca aaggtacttc 240

aagaaaaggg tatccgtata tgggatggga atgcgtcgag agcatatctt gatngtattg 300

gactgactga nnagaganga aggtgacctt ggacccgttt atggatttca gtgggagaca 360

ctttggtgcn aagtacacac gtatgcaggc tgantata 398

<210> 6994
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-G4

<400> 6994

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ttattcgtct tcaagatttc tccaacaagt cctaccatgt ccggcgaagg agacacgacc 120

ctcaaagcta tctgttacaa gcctggctct ctccagttac tcgatcagag gaagcttcct 180

ttagagacta tttacttaga gattcgtgat gcttcagatg gatggagtgc tattcaggaa 240

atggttgtac gtggtgctcc tgctatagct attgctgctg ctctttcttt ggctgttgaa 300

gttttcanct ttcatggttt tgatggatna gcttcagatg ctgttgcttt tcntgagaac 360

aagttggatt atttagtgtc aagccgtcca acagcagtta atcttgcaga tgctgctttg 420

aaacttaaac atgttatagc aaaggccttg gnt 453

<210> 6995
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-G7

<400> 6995

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gaatgggaan agaagttgtt gaggtgctta tggaccgaaa cgccgacgtt tcaagcgcta 120

gagttcatgt tgctcctaag atagctgcag aggagactga tgaggaattt gaagtcaaag 180

aatgcacaga ggagaagtct ctttctgaga atgcaccaaa tgttggatct gctgagagag 240

ttggagctca naaatcacct aaaacccgta atggaaatgc taaagtttca nngcagcagg 300

atgctcctcn tctcgcggtg aggaagccat tgcaacccga naacaagaan catattgang 360

accangataa ttgctccatt gcttcntccg gttgcaactt ccatgaggat gggntaagtc 420

ctgg 424

<210> 6996
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H1

<400> 6996

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ataatttttt ccccgagaga gaaaatnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntctctct accatcctgg tctccttgcc 180

ccgccacaga tagaaccaat cccaagtgga aatctccccc ctggttttga tccaagtact 240

tgccgcagtg tgtacgttgg aaacatccat attcaggtga cggaacctct gcttcaagag 300

gtttttgctg gcactggtcc tgtagaaagc tgtaaactaa ttaggaaaga aaagtcttct 360

taagggtttg tgcactactt tgatcgaaga tcggctggtc ctgcaatccc tttctctcaa 420

atggg 425

<210> 6997
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H10

<400> 6997

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tcgaagcttt gccttctgtt tcttcgaaaa tctaccatgg ctgctctaca ataccttgaa 120

tcgcagaaaa atgcgcaccc agagcttggt gagtggtaca attcgctcgc agatctgtac 180

cagaagaagc tctggcatca gctcactctt aagctcgagc agttcatcgc tctctctgtc 240

tttcaggctg gagatgcttt aatacagctt tacaacaatt tcatcacnga ctttganacg 300

aggatcaatc ttctgaagct tgcgcatttc gctgttgtag tcncccgaca gtatcctgaa 360

gaaagaagct gcagttagtt atcttgaagg agtgattgag aagcttaaag ctactaaaga 420

gtcaaggata aatgaaccaa ntagctata 449

<210> 6998
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H11

<400> 6998

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gagattgggt acaagagaag tgccaaaaga tgcaaagaga aatgggaaaa catcaacaag 120

tattttagga agacaaaaga tgttaacaag aagagaccac ttgactcaag gacttgtcct 180

tattttcacc aactcacagc tttatacagc caaccaccaa cagggaccac cgccaccacc 240

gccaccacgg ccacgtcagc cagagatcta gacacccgac ccgaggaaaa ccgggttgga 300

tcccaagatc ctgatatttc tgtacccatg catgtagatg gagatggtgc tggcgataaa 360

agcaatgttc agttttcagg tttcgatctt gagttctaan aantcccntc natatatnta 420

ttagcagtta tantcctcnt tttctgcttt ttgctaaaan ctca 464

<210> 6999
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H4

<400> 6999

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tagctcttct acgcaaaatc gagtgcatcg acaatggcgg aacgtggtgt cgaacgtggt 120

ggagatcgcg gcgatttcgg acgtggattc ggtggtcncg gcggtggaag aggtggtccg 180

agaggtcgtg gtcgccgtgc aggtcgtgct ccagaggagg agaaatgggt gccagtgact 240

aagcttggtc gtctcgtaaa ggaangtaag atcacaaaga ttgagcagat ctacctccat 300

tctctcccag tcaaggagta ccagatcata gatttactcg tcggtccttc attgaaagac 360

naagtgatga aaatcatgcc ggttcaaaaa caaaccagag ccggtcagag aacgagattc 420

aaaggncttc atcngtccgt ccgganatag taacgggtca cgttnggatt aaggagtcaa 480

aatgc 485

<210> 7000
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H7

<400> 7000

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gcatgttgaa gatgataagg aattcaagga gaaacctttg gttcaggttc ggagcgacga 120

cgacagtgaa gtgaaggaag ccaaagacgg aggaggtgaa gaagttaccg gcggcnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnggaca gagtacctag tgaggccggt tggtgaggtt gaagatgagg atgatgcaag 360

tgattttgac cctgaggaga atggcttgga tgaaagaaga agtgatgaag agattgaaag 420

aagatgatgt tgatgag 437

<210> 7001
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-H8

<400> 7001

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ctgcttgccg gagattttcg attaccagct gtatcgtctc taatacccag aaagacttct 120

tcttcattgt catgccttag caacagagat ttatcgtctc cttataattg ctgttggcga 180

ctatccagag gcaaaatttt gacttctctc agtaactcac ggaaatttgc tgtgggaaag 240

gaagcagaag atgggtttct atcgaatgtg agcgaagata ctgatgagat gttcgacgac 300

ttgttcaaca natatgggaa ggttgttttt anaagcactg atgttaagtc tccaacagct 360

gaggttgacg atgatgcaga gagtttagca tttgctgttg aaattggcta aaanttgcga 420

gtgat 425

<210> 7002
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-A8

<400> 7002

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gggcggacgc gtgggtgaga gtattgagca agattctgat tcaatttctg caatatcatc 120

gatggcgtta tccaaagatt tgatgttgaa atgctcggaa gacatgatga gtgcttacaa 180

atctgcttgt gaagaacacc caaaactaaa atcctttgat gcttcccttc agcagcgaac 240

caacaaaatg atagactcac tcaccgttga agacaagaat ggttcgtcct ccccacacga 300

cgcacacatg gagctctcca agcacctagt tgaagttacc caangtgtgg caagacttca 360

ttaccgaaat ccaanacgat gtgtggggac aaccaagctc taaagtattg gtcctgggct 420

attttgaaaa tactaaaaag actttagaga ttttcaaaac tatagagaaa ctgcgtccna 480

gaacgcagaa aatggggcca aacttttcat tccangaa 518

<210> 7003
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-B10

<400> 7003

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ttcgacttga gagtttgggt cctttgggag aaagaagaag aannnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

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<210> 7004
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-B12

<400> 7004

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnatggcctt gaaatcggtc anncagttgt tattgccgct 360

gctatcctga tacacaacgt tatgcanatc ggagcatctg ttgattccga gtatcaccaa 420

gctcatgcct 430

<210> 7005
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-E3

<400> 7005

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gtacattata gggttaggtt taggagatga aaaagatata accttgagag gactcgaggc 120

tgttaagaaa tcacagaaag tatacatgga agcttacact tctcttttgt cctttggtct 180

ctctgctgat ggactttcca atcttgaaaa gttctatggg aaaccaatta tacttgctga 240

tagaggaaat ggtggaagaa aangcnggtg atatnantga tgaagccatt gataatgatg 300

tcgcctttct cgntgttggt gatcctttcg ggagctanaa cgcatangtg atcttgttgt 360

tcgangccaa ngacactccg ggtgtaaaaa gttngaggta nttgcacaaa ttgcatcngg 420

tgaat 425

<210> 7006
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-G3

<400> 7006

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catacataca cgtcttccac aagactcaaa ctccacagca tgggattctc acggtcgctc 120

aaccgcaccg tgggcgtctt cgtcttcttc atcctcgaca ttgttgattt ccngctttgc 180

tttacctaca agactcttga tttcttcttc gagtccgagt ggnaaccctg ctactgctgt 240

ccgccgcccg aggccaancc aatctcggct gganggaaca caggcggtaa gatgatagtg 300

tctgcaanga tcaggagact actctaaggt ggtctcactc acaaggacaa agatctanct 360

ggatnagatc tccganaaac ttnacnctcg cccttcactc cncaccaagc tcactaaagc 420

tgggngaaat tgcttcaagg aanngatgtt gttaaattgc tgtnatgagg t 471

<210> 7007
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-G7

<400> 7007

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aacctctgtt tcgagaatat gaagatggaa ggagttttga tctctgagtg gaaagatatc 120

cctgtggagc ttctcatgaa gattttaaac cttgttgatg atcggactgt gatcattgct 180

tcttgtattt gtagtggctg gagagatgct gtttcccttg gcctcactcg cctctccctc 240

tcttggtgca agaagaatat gaacagtttg gttctatctc ttgctcccaa attcgtaaag 300

cttcagactt tagtactgcg acaggacaaa ccgcagcttg aggacaacgc ggtggaagcc 360

atagcanatc actgtcatga gctacaanat tttggactta agcaaaagct cgaaaaatc 419

<210> 7008
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-H12

<400> 7008

atgtacacag ccacttggcc aaaagaagta agaaaaattg caagcgatct tcttgtgaac 60

cctgtccaag ttaacatagg cagggtagat gagttggctg ctaacaaagc aataacgcag 120

tatgttgaag tagtcccaca aatggagaaa gagagacgtt tggagcaaat ccttaggtca 180

caagaacgag gttcaaaagt tataatattt tgctccacga agaggctttg tgaccatctt 240

gcacgtagtg tcggacgtca ttttggcgct gttgtgatcc atggagacaa gactcaaggt 300

gagangagat tgggtgctta accaagttcc gaagcgggaa gtcttgtgta ctgatagcta 360

ctgacgttgc tgcccgggga ctccacataa a 391

<210> 7009
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-H2

<400> 7009

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tgagaaacag atgatgcaca tgtggaactc gtttgtgagg aagcagcgag tattagcaga 120

tggtcacatt ccatgggcat gcgaggcatt ctcaagattg cacggaccca tcatggttcg 180

aacaccgcac ttgatttggt gctggagagt gtttatggtg aaactgtgga accacggtct 240

tcttgatgcc cgaaccatga acaactgtaa tacctttctc gaacagctcc aaatttgaaa 300

acccaagaaa tcattaattt aagtagaaaa acaaagaaag acaagagaag aagagttttg 360

ggttctcatt taactacttt tggtgtttta agagaaagag gagcatattt atgcatgaat 420

ttgtcctcat ctttttttt ttttttttta agtataaatg gtgnaca 467

<210> 7010
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-107-Q1-E1-H3

<400> 7010

aactactcaa gtccctccct tttccggcgt cgctattctc agtctcattc tgtctccccc 60

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cgatcccggt tctcttctgt gtcatctccg aaacctttct ccgtcagctt tgctcagacg 180

acgagaacaa ggactcgtgt attatccatg tcgaagaaag atggtcgcac tgataaagat 240

gatgacactg atagtctcaa ttacaaagat tctggtgttg atatcgatgc tggtgctgag 300

cttgttaaac gaatcgcaaa gatggctcct ggaattggtg gatttggtgg tctctttcca 360

ttaggtgata gttatcttgt agctggtacg gatggtgtag ggactaaatt gaaattggc 419

<210> 7011
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-H5

<400> 7011

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cgctctcaga atacaattgg aaaaaagaac aagggaagag aacacaaaaa gaaatggtta 120

gagaagagga gaaatcgaga tggtggtggt tcgagagcca caagagctcc aaacattctc 180

aatggcttca atcaacactc gctgagattg atgcaaagac aaaggcaatg ttgaagttgt 240

tagacggaaa cgcanactct ttcgctcagc gtgctgagac ttactacaag aaacgtcctg 300

agcttatcag ctttgtcgaa nacttttatc gagctcaccg ttccttatgc cgtgaacttc 360

gaccacctca agtcttccga ccactatgga tctcgctccg ctaaggttcc ncaacaantc 420

catggagtcc gtttgtgaca gcaantctc 449

<210> 7012
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-A5

<400> 7012

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ctttcgaatc ttcaacacca cttctcccta tggtaacaac agtacggttc atacgacgcc 120

gtattgctgt ttcactaact acgatacggt gcgggtgatg agtatgaaca ttttggattg 180

ctcacattac acgacggtga ttgacaatgg aaaaatgaga ggagtggggc ctttggattg 240

gtcctatgga atcgagcttt cgtactcggt aacggagatt ggctgtgacc gttgccgaaa 300

gtcaggtggc acttgtggct ttgacgccga agacggagat ctttctttgc cagtgttccg 360

gttccaacaa caaccctacg agagaatgtg gtggangtat gactgatcna ggangctgca 420

gttttacaaa cattaaattt aanaa 445

<210> 7013
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-C12

<400> 7013

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gaaagactcc tgagaagctg gggtggggga acgggctggg cagtggaaga cgctaaagac 180

aagatctgga aacttctaga agaatacgaa gtangaggag taatatcana ggcttgtcga 240

tgcatacgcn atctaggaat gccgtttttt aaccacgagg tggttaanaa ngctttggta 300

atgggaatgg gnaagaagaa cgatcggatg cttaatctct tgcaggantg ttttgctgaa 360

gggatcatta ctactanccn aatgacaaaa nggtttgngt cgagtcaaag atantcntna 420

tgacttatcc ttggntaatc 440

<210> 7014
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-C4

<400> 7014

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canattccga tgagtaaaat gagctgttgc tctcggtgtt tgcangagtt atgaaaacga 180

cgtanctaag gtggaaaaag atttaaccgg agataaccgg tcggttttgc cacagtggnt 240

gcanaacgct aaagctaatg atgatggtga caagaaactg acgaaagatc aacanattgt 300

ggagttgcag aanaaatgga acgacttatg tttgcgttta catccgaatc agtctgtgtc 360

tgaaagaata nctccttcta cgctgtctat gatgaaan 398

<210> 7015
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-D10

<400> 7015

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caccggacgt tacagtggag acactgcaga tctccagctt gaacgtatca atgtctatta 180

caatgaagct tcaggtggaa gatacgttcc tcgtgctgtt cttatggatc ttgagcctgg 240

tactatggat agtatcagat ccggaccgtt tggtcagatc ttccgtcctg ataactttgt 300

ctttggtcag tctggtgctg gtaataattg ggctaaaggt cattacactg aaggtgctga 360

acttattgat gctgttcttg atgttgttcg naaagaagct g 401

<210> 7016
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-D11

<400> 7016

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acggtanata gttttcttcg agaccttgaa gaacctgaag acgaaccaga aacatcggaa 120

gagatcagca aacaaagcat atnagagagt tctgattttg atgaaacaag ctgtggagag 180

cgggactgca cttgtgttag atgctgctga tctggacgca gacacagtct tttcaaaaag 240

ctgttgcctt ttcgagtgta gcttcancag gaccaagttt tccagcatgg cttgagaaaa 300

caaccaacgg ttaagaagca ggaaanccaa gaattcgggt acggagactt ggaggcaaaa 360

tcaaagtaat gtagtggttt cnaggaatgc ntccnantca ngtaatgttg tggttttggg 420

gaaaaagaca anttggcaga 440

<210> 7017
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-D12

<400> 7017

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tcatactcct cagagtcggt tgcctcggac aaaggatatg attgtaaatg gaattactgt 120

caagatcaaa tactgtgaca catgcatgct ttacanaccg ccccgtgctt ctcattgttc 180

gatttgcaac aactgcgtcn agaagtttga tcaccactgt ccttggcttg gtcagtgcat 240

tggattgaga aactataggt tctacttcat gtttgtgttg tgctcaactc ttctctgcat 300

ttatgtccat gtgttctgct ggatntacgt caagcggata atggatagtg nagaacataa 360

acatcntgga aatcgtttct cnaagactcc t 391

<210> 7018
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-E11

<400> 7018

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agtctaaaca ctgtggtaga aaaaaatata gacttttaga tatgtgtagt aaaataacat 120

tagtgttaac tttatttttcc agttatttca tatcaacaga tgctgtgaat ggatcatttc 180

ctgcgctttt ggcttttgga gattcaattc tcgatactgg caacaacaat tttctcctga 240

cttttatgaa aggaaatatc tggccatatg gaaggagttt cagcatgaga agggngacag 300

gaagatttgg aaatggaaga gttttctctg anatangttg ctgaaggttt agggatcaan 360

aagattttac caagcttatc gtaagttgtt caantcgcca agtgancnta gaaactgggt 420

gtttgcntcg catc 434

<210> 7019
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-108-Q1-E1-E12

<400> 7019

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aatgcgggga ttgccctccc tgcgttggac ccgtttaccc gacccgggtc gatactcacg 120

ccgccacccg gaaactctcc tctgacaatt aatttattat gggttgcttc aactccaagc 180

attcttctcc ggcgggtcct ccacgccctg tccgccgtcg cttggacacc aacgtccacc 240

gaagtcatac ccaagatccc cataaccgcc atgttcttcc cggtccacca tctcaccgcc 300

gtgtcgtcaa ctcatctccg aaaaaacatc gcaacaatga cgacgatgct ccaaaatcga 360

ggacgactgg tgttagccta agatcgggat tgccgcacag caatgtanag gctgagcang 420

tggcggctgg ttggcctcct ggctcagctc tgccggctcc cgna 464

<210> 7020
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-G11

<400> 7020

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atcagagaag atacagatca agaatatttc tgcaggtaca ttccccttaa tcggctaaat 180

gaatccattc gcattaagga aaagttggaa ccaggatgtt ctgtttcttc tctgtcaacg 240

ggaaaaggag ttgaaagagc taatagtagt cttatccgat gcaagctagg ctcaactgaa 300

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<210> 7021
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-B12

<400> 7021

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caccggatct acgtcggctg cgtcatcagc cggatttcgt cttccttctc aacccactcg 180

ccatttcncc ttctccagat gtccttcgga ggctgggatg tgttcagtcg ctgttaccgn 240

tgcacagcac ggtggcggng gcgaggctga cgtcatgtct aagnacaant tcaaggagta 300

ggcgaggctc tctctcaagg gtanactctg ctgcacntct cncgatntct aaggcngttt 360

ctcnnnacgt ttcttgngag gttcacattt ttgcttncnn ccaagttggc atttaactct 420

ccct 424

<210> 7022
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-B4

<400> 7022

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ttttttcctc caaatcctta tccgccagat tacgaaaatg aggagcttga tccgagagag 180

gcatagtgaa agcttatctg tgaattctta ggatttgaat ctgaatactc aggctttttg 240

attccttctc cgttacatgc ngattcaatt ttgagctccc ctgctantgt aaatctcctc 300

agctcggaaa cttagggttn agtttggggt cctttgctct tcgttgcggt aagccatgtt 360

taagaaaatc atgaaangtg ggcatcngaa agccctctaa atcccgaagc taaggaaccn 420

gtc 423

<210> 7023
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-B8

<400> 7023

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acttttaggc gccgaaagat agagagaaac atagatacgc attggttttt ttctttttg 120

aagattctcg cttcttacta catgtgtatc aatcgatctc tanccagatt ctccggagga 180

gctttgagtc ntgtcgtata catgcagtga aggtcctttg ttagatggga aaacttgttc 240

ttgagttgtc anaaggtatt ttctatgttt ttggagtaga nctgtttana aggaagcagn 300

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<210> 7024
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-C6

<400> 7024

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atttaaagat gtgtatgaaa catggcagtc acctcanaag gtgagtcgct caagggattg 180

ctcgcctaga aaaggaagat atgatgaaag tacgactgag aaacaaatgg ctcttgttcg 240

tcaaaagttc tcanaagcaa aacgccttgt aacagatgat agtcttcacc aatccaanga 300

gttccaagat gcacttgang tgttaagctc gaacaaggat ttgtttgttc aatttcncca 360

ggaatcaant tctttctctc agcagaatct ttctgacttt caccatgntc ct 412

<210> 7025
<211> 421

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-C7

<400> 7025

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cttcttcgga tgtttatttg cgttgtcctc tgcaatacaa gaggctacga agttaggatc 180

antgataggg atagatcttg gnactactta ctcttgtgtt ggtgtttaca agaatggtca 240

tgtcgaaatt attgccaatg accaaggaaa ccgtantaca ccttcatggg ttggttttac 300

tgantctgan agactcattg gtgaggctgc taagaatcan gcanctgtna atccagagag 360

gactgtcttc gacgttnagg agattngatc gggccnagan atttgaggat aacgacgntc 420

a 421

<210> 7026
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-C8

<400> 7026

aaacctcgcc gccgtagccg tcaacgcatc tttcatttcg ggaatggcga acaagattgc 60

aatgtttctc tcggaagcaa tgaacaacaa tgctgtgata aacacgtgtc taggagtatc 120

gtttgtggtt ttgggattga gatctgataa acagcagaag tatgttgagg ccttagcaga 180

gcagaaggag tcactcttca agtctaataa ggcaatgaaa ctcaccatgt gggagtggaa 240

acagcagctc tttgctgaag ctgcctctgc gggtaatgcc gcggttgttc ctttgtcgac 300

gcttaaggcc atctatggtg aagttaccac cacaaccaat caatctggtg acacagccaa 360

ggaagattct aaagtgtcca ctcccaagat catgatatga gangttg 407

<210> 7027
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-C9

<400> 7027

agatcataga gctgtggcat gtctgccatg tctccataat ccacaggaca caattctacc 60

tactgttcaa aggtgaccaa gccgatcaaa tctacatgga agtcgagcta agacggttaa 120

cttggttaga acaacatcta gcagaagtag gaaacgcaac tccagctcga aactgcgatg 180

aatctgtggt ttctctatca tcaagtataa aagcattgag aagagagcga gagtttttgg 240

cgaaaagggt taactcgaga ttgacgcctg aggagagaga ggagctgtat atgaaatggg 300

atgtgccatt ggaagggaaa cagangaaac ttcaagttcg tgaacaagct acgggactga 360

tccttatgat tcaangcacg tgcncgatag tggcag 396

<210> 7028
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-D7

<400> 7028

ttctgttcca cttccaggtc tcaatcatcg cagagattga tctttacaag tttgatcctt 60

gggagcttcc aantatttat anttcctaat ttatgcttta atgatatgat taaaatgtac 120

gatttaattt tactatgacc actgtaatct agccactatt taaatttggn atatatagta 180

actatcttgt ggataataat attttgantg gtttaggcan ggcgagtttt ggagagcacg 240

agtggtactt cnttantcct cgggatcgga agtatccaaa tggggttagg ccaaaccggg 300

cancaacttc cggttattgg aaaagcaang ggaaccgata aaccgatatt tacgtgcaat 360

agtcacaang ttggtgtcaa gaaaagcgct tgtnttttaa nggtggaaag cctccgnaaa 420

gg 422

<210> 7029
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-107-Q1-E1-D9

<400> 7029

ggtacccgga gatcgtgttc taggctctta tgcatttgag ataacaaaac aacctattgc 60

agtgcacttg cgctccacct ctgagaaacc tgaaaggaca ttgttgctat ctatctgtgc 120

tgaaggagct acaaaggttt tcagtgttgt anattcaggt tatcacgcca taaaagatat 180

aaaggaaaca tttgactcca gattccagtg agaagggaaa nanaaagctt caaactgaca 240

ntatcatccg ttanacanaa acgttcttgc ttgtcgtgcc angcattgnt ananctttgg 300

tnaattctca nncanaggaa ttggtttatg cttgtgcatc aaatgttgtg ttacatttca 360

gtcagagtgt agattaccag a 381

<210> 7030
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-E4

<400> 7030

acctgccagg cccggtctaa gaataccggg ccnacccacg cgtccgatca aacctcgccg 60

ccgtagccgt caacgcatct ttcatttcgg gaatggcgaa caagattgca atgtttctct 120

cggaagcaat gaacaacaat gctgtgataa acacgtgtct aggagtatcg tttgtggttt 180

tgggattgag atctgataaa cagcagaagt atgttgaggc cttagcagag cagaaggagt 240

cactcttcaa gtctaataag gcaatgaaac tcaccatgtg ggagtggaaa cagcagctct 300

ttgctgaagc tgcctctgcg ggtaatgccg cggttgttcc tttgtcgacn cttaaggcca 360

tctatggtga agttaccacc acaaccaatc aatctggtga cacagccaag gaagattcta 420

aagtgtccac tcccaagatc atgatatgaa gaggttgtta aatttttggg ta 472

<210> 7031
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-E8

<400> 7031

gagttaagct ataagagagt agaaagttgg tgttaattaa agttttggtt cggatattga 60

tggtttttgt caaaatgact gatgtttact tgatgattgt gatgttgatg ggtttggggt 120

ttagtataga gttatcaaat gggcacaagt tctatgttgg tgggagagat ggttgggtcc 180

ttactccttc cgaggattat tctcattggt ctcaccgaaa ccggtttcaa gtcaacgaca 240

ctctttattt taagtacntg aanggaaaag attcagtgtt ggaggtgagt gaaaaanagt 300

acaacacatg caacacgact cacccttga cttccctctc agacggtgac tctctcttcc 360

tacntaagcc gctcagnncc attcttcntc gtcagcngca accccnggct tctgtccc 418

<210> 7032
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-F1

<400> 7032

gattccgatg atgaggggtc tcgtttccgg cgccaagatg ctatcatcaa ccccatcgtc 60

gatggcgaca agcatcgcca ctggtagaag aagctacagt ctgattccga tggttattga 120

gcactcatcg cgaggagaga gagcttacga catcttctct cgtttgctca aggagcgtat 180

tatctgcatc aacggtccca ttaatgacna cacatctcac gtcgtcgtcg ctcagcttct 240

ttacctcgag tctgagaatc cttcgaagcc ngatccatat gtanctcaat tcccctggcg 300

gccatgtcan cgccggtctt gcaatttatg atactatgca gtacattcnt tcncctatta 360

gcacaatttg tttggggtca aggctgcatc aatgggcttc ncttctgttt ggcagcgggt 420

gccaaag 427

<210> 7033
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-F12

<400> 7033

cagtaaggga aagactgatg catcacctcc taagaaaacc ggcaacacag aaacgcgaaa 60

acgaaaaaga aaacaggtag aggttcactc cttatcatct ggaagcgagt cagccggtga 120

cattgaaggt gaagaggatg ttcagagtac atggaaagag gacggaaatg cgccaagctc 180

gggtacattt gatgaatgtg atgattatgg aggtgctcta aaaatcactc aggaaggtga 240

tgtgatgcaa gaagaaagtg actttgatca ctgttcttca nattgtacan anatganaga 300

atcaatgatg agagagatan agaaccttga actgaagctt caattgtatg gaggacatgg 360

gtctgaataa tttaacctac gacgagcttc ttcanttttg gaggcatc 408

<210> 7034
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-F7

<400> 7034

acgcgtccgg cctggaaaaa agaaagataa cgggactcga gagattgaga ttacggagcc 60

acccactttc atggagtcta cactctcagc tttctcaacc gtcaaggcaa cagcgatggc 120

tcgaagtagt ggtggtcctt cattacctct cctcactatt tctaaagcac ttaaccgcca 180

ctttaccggc gccagacacc tccatccttt attgctcgct cgctgttctc cctccgtgcg 240

acgtcttggt gggtttcatg gcagtcgatt tacttcgtcg aattcagctt tgagaagctt 300

gggagctgct gttttgccgg taatccgaca ccgtttagag tgtttgtcga gctcatcgcc 360

gtctttcagg agtatctcan ggtggcggcg gttctgggat ttgggggggt ataatggtn 419

<210> 7035
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-G1

<400> 7035

acgcgtccgg agtatcttag cccgcgtctc gagattgtct tatcgatctc tctccttagt 60

ctgcaagcgc ttccactcgc tccttacttc aggagagatt taccggttcc ggtcactatc 120

aggttatacc gagaattgtc tctatgtgtg cttacgtttc tctcatactg gccgtagcca 180

tcgctggttc atgcttcgtg agaagaacaa gtcaagtggg tatgttttgg caccaatccc 240

aatttcccat tctccttctt tgcacgcgtc gagtatcgtg gcggttggtt ctaaaatcta 300

caaaattggc ggagtcatgg atggatctag tgtttcaatc ctagactgct ggtctcacag 360

gtggctcgaa gctccaagca tgcanatgga acgggaccgc ccatcagcca atttaattga 420

a 421

<210> 7036
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-A7

<400> 7036

acgcgtccnc tttcagagtt tggaattcat accataagca aagatgtgaa gagaacagag 60

gatataatgc atgagacctt cccaaatgtt tgggatgaat taatcaagaa gcttcagtgt 120

ctcacactat gtgttaaacc angcaaagga tggatgttcc actggcgttg caagattatg 180

ttcctctgaa gaccttgctg tatatgtaca agctttgaaa gattgtatac caagaattcc 240

tccaaacact ctttctaaga cacatggnat gattgagatg ccaaatccta ctccagaatt 300

cttgattttt gaagcatttg tcgaaaccga tgaaatcata gtttcatcca aagccaagca 360

gcaggctctc ttggaaangt acgacgcggt gggtagaaga tgactgtggg tgtaagtggg 420

aaagcgtggg gtcaaat 437

<210> 7037
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-E5

<400> 7037

cgagattaga ttacatctta gggatgaagc tggcgagtac ctagaagaaa gtaaacttaa 60

ggaattggtg aagagatatt ctgaattcat taacttccct atctccctct gggctancaa 120

agaggttgaa accgaggtcc canttgagga agatgaatca gctgatgagg aaactganac 180

cacctctacc gaggaagaaa aggaagaaga tgctgangag gaagatggtg agaanaagca 240

gaagaccaag aangtgaaag aaacanttta tgaatgggaa gttctgaatg atgttaaggc 300

tatanggctg anaagtccaa aggaggtgac agaggaagag tacactagat tctancantc 360

tctctcaaag gattttaccn acgagaancc aatgggcttg gagtcacttt antgc 415

<210> 7038
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-E6

<400> 7038

tcctttctca attctctcct tcgaagcttt tttcttgtga ggtcagaaaa gaaaatggga 60

agtcaacaag tagcgatttc gtttctgacg aacttggcga aggcggcgtt tgggttaggt 120

gtggcggcga cggcactaaa ctcgtcgctc tacactgttg atggtggcga gagagctgtt 180

ttgttcgatc gattcagggg agtgttggat cagaccgtcg gcnaagggac tcatttcttg 240

atcccgtatc tccagangcc gcacatatac gatattcgta cgaaacctca cacnttctcc 300

tccaagatct ggtacnaagg atcttcagat ggctaatcnc acccttcgtg ttcnctttcc 360

gccctgaggt ttcgcgtctc ccgtncattt tcc 393

<210> 7039
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-E7

<400> 7039

ttctcatctc ttacaagact gtttttgtgt tcaattttga gtagatatgg aagtggttgc 60

tgttgggtca atgaatacgc agagacagga gacatgggct tgctctgtca ctgagtcttt 120

tctcctcctc gtcggaaaga atctggcttg tcttctcctt gtggcagaat cattactgat 180

aggtttggtt gctgttgacc anaggttgtc tgtcaaggag ggttacaaaa gaggaatccg 240

tattgaggaa aacaaagatg ctaagtgaca gtgacgatga cgacgatgat gaagacgctg 300

atgaggacga cgatgatgag gatgatgcta atgatgaaag atttctcagg ggggtgaang 360

ggatgaagga gaagaaggaa gctggatcca aaggatgatc ctgtgaccan tggtgga 417

<210> 7040
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-E9

<400> 7040

taacttaccc aaacaagaaa cccaagaatc caaaatggaa atgctcaacg caataattct 60

catcctattt ccaatcatag ggtttgtatt aatcttctca ttcccaacaa aaaccctaaa 120

agccaaaacc gcatcaccct ctaatccgac atcgtaccaa ctcatcggct ctattctctc 180

cttcaacaaa aaccgccacc gtcttctcca atggtacaca gatctcctcc gtctctctcc 240

gtctcaaacc atcaccgtcg atctcctctt cggtcgtcgg actatcatca ctgcaaaccc 300

tgaaaacgtt gagcacattc tcaaaacaaa tttttataac ntccctaaag gnaaanctttt 360

caagcgacct ct 372

<210> 7041
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-F10

<400> 7041

tttgttcatg gaaaagatgg gcttggcaac caaaacttcc ctccacctaa aggaaaacca 60

attgaaaagt ctggacctga gtttttagtt gaacaagcaa agctttgccc tggtgaaatc 120

acggttgttg ctttgggacc actaacaaat ctcgcgttgg ctgttcagct tgatccagag 180

ttttcgaaaa atgtcggaca aattgttctt cttggtggag catttgcagt aaacggaaat 240

gtaaatccag cttcggaagc taatattttt ggcgatcccg aagctgcaga tattgtgttc 300

acatgtgggg ccgatataat tgctgtggga atcaatgtga cccatcaagt tattatgaca 360

gctgatgaca agggacaaaa ctagcatcat cnaangggga aaataagctc aatta 415

<210> 7042
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-104-Q1-E2-F5

<400> 7042

tatatggtga agactctaca accattccac cgtttgtgat accagagccg ccacctcctg 60

ctcccagaga tccaagacac agtctgcgta agaaaaggaa acgtaaattg cattcatcga 120

gtcaaaagac tacagacatt ggtagtagca gccacaatgc tgtagaaagc agctctcaag 180

gcaatccaca aacatctgca actcctcctt tgcctccacc gtctctggcg ggtgaaactt 240

cagggtcttc tcaacccaaa ttacctcctc acaacctaaa tagcacagaa ccactgtcct 300

ctgaagcaat cataattcca ccacctgaag aagattctgg tgatagcagc agcgccatct 360

gaagcaccag ggcctagt 378

<210> 7043
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-F6

<400> 7043

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tctgatgcca gctcttttgt ggtcctttac attgtaatgt ctgtatactt ttctggagtt 120

atggttcgtc ttatgctcgt gcttgctcca gcagcatgca tcatgtctgg gattgcgctc 180

tctcaagctt ttgatgtttt cacgggttcc atcaaatacc agttangcgc atcgtctaat 240

tccacagatg atgcaganga caacacttcc acnaacaatg ccccaaaaga tgatgtttct 300

gctggtaaga ctgacaaggg tgaaagagat tgtaaaanag cggtcttcca aaaagggcaa 360

gaagaaanag agagaaccgg ctgataaanc ttctgttaag gccaagatta aaaagaangc 420

t 421

<210> 7044
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-G11

<400> 7044

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taagaacatg cataaacata ctcgcaatga cagaggtttt gcatgcagaa gtgccttcct 120

ttatcgggga caccaatgtt gttaagcttt cttggaaaga agccacaaag ccattagcct 180

atacaagagc tttatataca gacctaatgt atggcatacc cccggatatt gatgcgtttc 240

ataatttttat ggacaaactc tcagaagact tgctgaataa actagatatg gagggaatgt 300

gcgaattaga agatgatcag gttcaaagca cttgtgggtt catcangact taaacaaagc 360

acaagacacg tttccaagaa aagtaggant ttcctacatg aaaaatccca aagttacctt 420

<210> 7045
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-G12

<400> 7045

aataaataaa tttaagagaa atatctaagt ttgggttctt ccctgtgtct acccaccgtg 60

atcatcataa aatggattgt gatttctgat ttgtgagtct atctttctct actccattag 120

cttcctctcc cttggatggt tacgtcactt tctccgagct tacgtcatct atatccggtc 180

ttcacttctt tttccttcca ttcctcagca gcattgcgta atctatctga gttcaagatc 240

atatgatatt ttcactttct ggacaaaatg ggacatttct cttccatgtt caacggtata 300

gctagatcct tctcgatcaa gaaagcgaag aacatcaaca gcangcaaaa gctacgctaa 360

ggaagccaca gatgaaatgg gcgaganang gggaacaaag aaaggaccta atttggg 417

<210> 7046
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-G4

<400> 7046

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cgtcgtcgtc ttccacaccg actttaatct gattcttaga atcgccgttt ggtttttaac 120

cagagagatt atctaccaag gaacgatgat tattgaaaga gctcgagttc cgttgagccg 180

atggnaacaa agcggccgtg gcgatgggat ctgcnctcgg tgcgttggnt gatnctcgta 240

gagcggatcn aancgcagct ctnnggcgaa actaccggta aaccagcttt tgnaatggnt 300

cttgagaaga atgaagaaga gcgnaagaan ggaagaagtn cgtttttcaa aatcaactca 360

acnttctctc cttangtggt ggtcaantca ttngattttt ggccttagga atggattgat 420

ttagaaaatt gnttcga 437

<210> 7047
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-G8

<400> 7047

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cattcagttt tatccccttc ttgaagaatc ttcgtcagga aataatgaga tattcaggtt 120

ctcacatttt cctaaatgaa cgtgagcttg aagatatctg caaagcctgt ggtctcgtta 180

acttcactcg tgttagaaac gggccattta taatgctatc tgcaacaaaa cccagctaag 240

ctcaccctct ttaaagtata tatacttttc tgtaaaaaat tggtataaag ttataaacat 300

tataacaact tgagttccat acagtatacc taatttgtaa agctttttgc aaatgttcct 360

attatctagc ttgtaaattg gggttaacat ggtttgcana gggggtcttc ttcntgtgaa 420

aaaa 424

<210> 7048
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-H3

<400> 7048

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tcgaagacgc tggtgcaacc ggtagggcaa aagaggttga ctaatgttgc agtggttcgt 120

ctcaaaaagc aaggcaatcg cttcgagatc gcttgttaca agaataaggt cctttcatgg 180

cggtctggcg tggagaagga tatagatgaa gtgctacagt cgcatactgt ttattcaaat 240

gtttcgaaag gagttcttgc aaaatcgaaa ngacttgatg aagtcgtttg ggatcaggat 300

gatcatacga aaatatgcat cgatattttg gagaaaggga gaacttcaag ttgctggaaa 360

nagaaagaga atcacaagtt ctcaagccag tttcggggat atagccancg attgttatgc 420

aagaaaacta 430

<210> 7049
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-H7

<400> 7049

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ttcgaagttc agtgattgtg attagaattt ataaccagac ccagtttttg aggtgaagaa 120

aaagcagatt ttgtgttcaa tttccatgga agacgaacca ggaagcgaaa atgaagcaga 180

caccatagtt gcttcaccac ttgcaaaatg gagaatcgaa ttctcgaaat cgtttcagaa 240

ttacttagga cagatctgct cctaacattg ttcgaagatg gcttgtgact ttagtcgctg 300

cagtgatcna tatctatagg gtttactctg tttagggnnc ttccgttanc tcntanggct 360

tagcnactta tatccntaan nnctccgtga ttggtttcct ttccccta 408

<210> 7050
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-104-Q1-E2-H8

<400> 7050

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gacggcggca acgacatctt ccgctgttat tgaattaccg gcgaacgtag cagaagctcc 180

tcgttccaaa cgccattcca attcatacct ggcgagaaaa tccgccattt ctgaagttca 240

acgctcctcg ggattttctc tcttctctgc agagattagc aagcagtttt gaaggtacaa 300

gatttgaatg taattttgcg tgattttggn atctctggaa agatgggcag gatcttatac 360

angctctttg aatggatnga acaacatgga aagattagtg ttcaacctta cagtnactgg 420

cataaagttt 430

<210> 7051
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-C10

<400> 7051

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gggactttct tgttaaagct ttacttgagg aggaagtttc ccangacgtt gtatcgactt 120

tgccccttat gctggcaaag gtatgttgat gctcgtgagc aaccttgaan gtggatgtcc 180

cgcaactaag agagttcaaa caattctttt caacgttcaa gtcttacatg agctttatca 240

agctcaagca tcgatatccg catcgaaaaa catcgatgtg gagatgaatg ggagatgtga 300

attgctttcc aaggctatgt ctgcattgac tggaancaaa agcagccaat catcggaagt 360

taanaatgan catgttgtca antgggaaan actttggttg ngcagannan gcaaggttca 420

aggatgatgt ccttga 436

<210> 7052
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-104-Q1-E2-E10

<400> 7052

acgcgtgggg tccttgctgg tcgtgtcgat gatctccaat ggtctttcga tggacttcga 60

attgttgctt ccggcgatgg aaaaggcaaa tctcttgttc gatccttcgc atgggactct 120

ggcaatacaa tgggggattt tgatggccat tctcgtaggg ttttgagttg tgccttcaag 180

ccaacgagac ctttccgaat tgccacatgc ggtgaagact tcttggttaa cttttatgat 240

ggaccacctt ttaagtttca ctcttctcac agggagcatt ccaacttcgt caactgcatc 300

agatattcac ctgatgggta ctaaattcat taccgtaagc tctgacaaaa agggtatgat 360

ttacgatggc aagactgggg ataaanttgg ganaattggg cctcaggaag atggg 415

<210> 7053
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-B9

<400> 7053

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cccacgcgtc cgaaaaatcg aaattctcat caatagcana aaaaaaatta ctcttagatt 120

ttcctcaaaa accttaatca atcgccggga aaatgaatat tccggtgact atttcctcca 180

ttactgtttc naataacgct gtttccgaca atcgtcgtca tgtttcccgt gaaaatcgtc 240

agcgttaaga aaaccgtcac ttatattttt ttttcntttc ttcntcgttt ttgtgaagat 300

gatgatccac tgatttgaga gtagtagctt gagaggtttt tagtagattt cgattttgcg 360

attatttttg tttcctggaa gagatctcat ttttttgcca cttccgatga tgaagattca 420

agccgattaa caacgattgc cgggcgaata gagtgg 456

<210> 7054
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-C11

<400> 7054

angcgtgggt aagtttcctc tctctttaga actgtagaga gagaaaagcc tccatttttc 60

tcaaggcaat ctctctctct ctgcctcatc tcataaaccc attacaccaa agcctcatcg 120

tagagagaga aacacaccan ccattgttac actctaagag aagagaagag agaaggaaaa 180

atggncggtg tatcaccaaa gtttgtgttg ccggagacat tcgacggcgt gaggatggag 240

atcacaggcc aactaggcat gatctgggag cttgtaaaag caccaagtga ttgtccctct 300

tcttcaatta gctgtttaca tctgtttgct tatgtctgtc angcntttat gtgaganggt 360

ttacatggga atcgtcatcc gtcctcgtcn aactcttctg gaaaa 405

<210> 7055
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-D9

<400> 7055

cgggtcggcc cacgcgtccg cccaancgtc cgcgacggta caaaggcgaa caccggcaag 60

atcgatttga acggtgacgg cgaatgtggc ggcgaagtaa cttaccgggg aatccangat 120

tccgatcagn gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngttgtggt 240

gagctaaatt atgctaggga aaccggtgat gtaactcctg gaagcaactc tacggaaaga 300

tatcatcctc tcttgaaaga tgtggtcgaa agttcctgac tcccccgaag gagagttata 360

tttcttcttc caagaagaac tgggattagc atgcatatct gctccaggga aaatggggtc 420

agatgatgaa gatttcnc 438

<210> 7056
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-E11

<400> 7056

cctttgccag cccccggtcn aagacaaaac gggtcgnncc acgcgtccgg acanaagtaa 60

gtcaaacaga aaanaatgga tctcttantg attatagccg gtttagtanc ggctgcaagc 120

cttctttttc ctccgtagca cgaccaagaa atctctccgg ttanctccgg gaccaaaagg 180

tcttcctatt anaggaaacc ttcaccaaga tggagaaatt caacccccan nacttccttt 240

tccgtctctc caagctatac ggcccgattt tcacgaatga aaatcggtgg ccgtcgcctc 300

gcggtgatct cctcggncga gctagccaag gagctactca aaactcaana cntnaacttc 360

accgcgcgtc ctctcttgaa aagggcaacn naccatgtcg natcaanggc gtgancgttg 420

gtttcgggga gtacaaccgc cgtacgaacg gtgagaatga aggaa 465

<210> 7057
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-F11

<400> 7057

nttccttcgc ccagccccgg tcaagacaac ccggggncga cccacgcgtc cngtcagcgg 60

cggtgtaaaa atagtcggag ctatggcgat gcaggccgga gttggcttat ccaggatctt 120

tctcttagcc ggagcaggtt acactggtac gatcatgatg aagaatggaa aattgtcgga 180

tttgttgggt gaattgcana gtttggtgaa gggaatggag aaatctggag aagggtctga 240

gggagattct gatgtttctg atgctatanc tgcacaggtt cgccggttgg ctatggagat 300

tcgacagcta gcttcgcagc aacacataac ggtcatgaat ggagtttctg gtgcaaacct 360

acaagccctt gctgttcctg ctgcgggcat tgggagctct cggatatggt tatatgtggt 420

gggaagggac tctcaantca ctgaccttaa gtatgtgac 459

<210> 7058
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-F9

<400> 7058

tncttgccag ccccggtcaa gaanacccgg gncgacccac gcgtccgatc aaaaccttcg 60

acatacgttg caattcggca tcggactgca tcatgcaggt ttaaacgacc acgatagatc 120

tgcagtcgaa gagcttttca cgaacaacaa gattcaggtt ttggtctcaa caagtacctt 180

ggcatgggga gtgaacctac cagctcactt aagttattat aaagggaaca gaatatttcg 240

acgggaaaac caaaagatat gttgacttcc ctcttacaga gatcttgcaa atgatgggac 300

gtgcagggcg accacagttt gaccaacatg ggaaagcggt tattcttgta catgaaccta 360

aaaaaagctt ttacaaaaag ttcttgtacg aaccattccc cgtagaaagt agtttgaaag 420

agaagctgca cgatcacttc aatgcgggaa atcgtc 456

<210> 7059
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-G11

<400> 7059

cacgcgtccn attcaagcgg ttctcctgtt ccttgtcttc gtcgttgaga cgagagtaca 60

agcgcagcta gtgccgccgg tgaggcaaga tggtttcgtt tacccaccgg gtcatcgttt 120

cgacccggat actatactaa ttgaggcgta ttttgacccg gtttgcccgg acagtagaga 180

ctcttggncg ccactgaagc aagctcttca tcactatgga tctcgcgttg cccttctcct 240

ccatctcctt cctttaccct accatgacaa tgcctatgta acatcacggg ccttacacat 300

tgtgaatacc gtacacgcca atgcnacctt cagtttgctg gaagggttct tcaagcatca 360

agtcattgtt ttacaacgcg caaacacaac tccctttcaa gacctgcagt tgtnggag 418

<210> 7060
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-H12

<400> 7060

ncnncgnanc agcgagagtg agtgagagag tagagagtgt gtggagagat actaggaagt 60

tgaaggaaaa agcgagaaag atggctatga aacagtgaca atgatatgtg caaagaagaa 120

cggaagagag agatcttctt caaggttcta cagagagttg atatttcttc tgagaacatg 180

agagcacttc cttacgactt tgtgagaagc ttctccaaca atgagctctc tcgtaagatg 240

aacgataaaa gctcgatggg gaagttcttg ggaagtagaa atctgcaaaa atccaagatt 300

ctatttcatg gngaaatccg gatgggagaa ntttgtgacg tgacaatgcc ttgggagcca 360

gtgaagtttc ctancttcac tcacaangng gaatatgcgt tttacaagtn 410

<210> 7061
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-H9

<400> 7061

tcatttgcca gncccggtca agngnncccg ggncgnccca cgcgtccgct tcantcgatt 60

tcaagaagtg aatcagacag gctcaaagca aaacgtatgt ttggctactt gttcaaaacc 120

tgaagttagg gatcaggtca aggcgaatgc aaggtcaggt ggctttgtaa tctctttaga 180

tgtatcagtc acagaggaga ttgatctcga aaaatcagca tcaagtcatg atagagtaaa 240

tgattataat gcttccttga gacaagagtc tagaaatcgg ttataccgag atggtggnaa 300

aactcgtctg aaggacactg ataatggngc tgaatctcac ttggcaacgg aaaatcattc 360

acaagagggt catggcaant cctgaagaca ttgataatga tcgtgaatac ngcaaaagca 420

agagcatgng cctctctgca gcagatagat gaanaag 457

<210> 7062
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-B3

<400> 7062

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cgatggtgac ccacaaacta cgaatctgta tgttgggaat ctgtccccaa aggttgatga 120

gaatttcctt ctgcgcactt tcggaagatt tgggcccata gctagtgtca agattatgtg 180

gccaagaaca gatgaggaga agaggcgaca aagaaactgt ggctttgttt ccttcatgaa 240

tagggctgat ggacaagctg caaaagatga aatgcaaggg atcatcgtgt acgagtatga 300

actgaaaatt ggatggggta aagcagtttc tctaccgtca caagcattac ccgctccacc 360

acctggacat atggctattc ngagtaagga ggggctgcaa cttggttttt tctgggtcaa 420

a 421

<210> 7063
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-B4

<400> 7063

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ctattgacat cgacgggaat ctcgactccg attcgaatct taacactgac ggtgacgaag 120

cgaccgataa tgattcctcg aaggcattgg ttactatccc tgctccagcc gtttgtcttt 180

tccggttcgc cggagatgct gctggtggcg ccgttatggg ctctatcttc ggatatggtt 240

caggattgtt caagaagaaa ggcttcaaag gatcatttgc agatgcaggg cagtctgcta 300

agacttttgc tgttttatct ggagtccaca gtttggttgt ttgccttctg aagcaaatcc 360

gangcaaana tgacgccatt aatgttggag taacanggtg tttgcactgg gncttgct 418

<210> 7064
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-C7

<400> 7064

aaattgaaag cattggagac aatggagaga ataaacacga aatgggtagc agcagcagcg 60

agtatatgga ttcaaagctt tagcggagct acatacacat tcgctatcta ctcttcaatc 120

ctcaaatcat ctcaatctta tgaccagtct actcttgatt tcgtctctgt cttcaaagac 180

atcggtggta cctttggtat catctccggt ttcctttaca cggctatgac ttctaagtca 240

cgcggttttg gtgggccttg ggttgttgtt ttcgttgggt tggttcaagt ggtttgttgg 300

gattcttttt tatttgggct tcggtggttg ggttgattgc tccgccgcct gtgccgttga 360

tgtgcntgtt cgtgttcttg gctggtcact ccnt 394

<210> 7065
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-C8

<400> 7065

gtttcctact ttcctggaat ttcgtcctca atctctcaag tttcatcggt tttgatttgg 60

gtttgatcgg aaaagtcatg ggtaattgtt gcggaacagc aggatcattg gctcaaaacg 120

ataacaaacc caaaaaagga aggaagaagc aaaacccttt ctcgattgat tacggtcttc 180

accacggtgg tggagatgga ggtggaagac ctcttaagct tatcgttttg aatgatccaa 240

caggtcgtga gatcgagtct aaatacacgt tggggagaga gctangtcgt ggagaattcg 300

gtgttacgta tctatgtact gataaggaga cagacgacgt ttttgcttgt aaatcgattt 360

tgaagnagaa gctgangaca gctgttgata ttgaanatgt tagggaa 407

<210> 7066
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-104-Q1-E2-D9

<400> 7066

acacaaggga cgttctcatt acccctttac ttgaaaaatt tccccaaact gggcaaagac 60

tatgaggctt tcgcaaacaa aggtatatcg gacttttttgg gtgacctaga gggtatgtgt 120

cctaaaaccg canagttcaa ggatttcttt gaaaacttga aggattacat ggccttcttc 180

aattcagcag cacccgggtc aaaagacaac cagttcgaga tgttcgtaaa atctgaaaag 240

ctgttcaagg ctttggtctg ctttcaacag tagtaaaggc ggaacatcan aagattcgtg 300

gaagctggtg gatggattgt tgtcaatggg taaaggtttg gttganatta ataanancgg 360

ttcgaaggag aatacttttn aacga 385

<210> 7067
<211> 464
<212> DNA
<213> Arabidopsis thàliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-B10

<400> 7067

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atttgtttca gatcttctcc gaaaggatga agcggattgg agataaagaa atcgacggtt 180

ctgggtctca aaatcaacat ccagtgggct cccctcgaaa cgaattacaa gggcaatctc 240

caaaacctgg aaacggtaac accaaagatg ctttgacaac cgatgatgct ttggcctact 300

taaaggaaat aaaggacgtg tttcatgatc aaaagtacaa ataccatctg tttctcgaag 360

attatgagcg acttcaaggc acaaaggacc gatacttctg tcgtgattgc acgagtcaaa 420

gacctgttaa aggggacata accatttaat tctccgtant taac 464

<210> 7068
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-F1

<400> 7068

acgcgtccgg gcgtcctttc gcanaaacca tttggagttg gagctttggg cgacgacaat 60

gggccccgaa gaaaggagtg aaggtagctg ctaagaagaa gaccgcggag gaaagtttca 120

aaccctctat tcgagaggag gcctaagcaa ttcggtattg gtggagcttt acctcctaag 180

aaggatctct ctcgctacat caaatggccc aaatccatcc gtcttcaaag gcaaaagagg 240

atccttgaag caaaaggttg aaggtccctc caactcctaa ccaattcaca aagactcctt 300

gacaanaatc cttgctacca gcctcttnaa aggtccttct ganntacaag ggcannanga 360

caaancctgc caaaaaangg agcgtcttgn taaanaaagg cccaagctng aaancttagg 420

ggaaancctt cngattctaa anaagcccat tgtagtcaaa taccggcctc aaaccatgtg 480

acctaccnca ttggggg 497

<210> 7069
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-F4

<400> 7069

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tcgtgtcctg aatctgtgca ccaaaggtta tcgaaaatgt cagtgcgagt tctgaatcct 120

aatgccgagg ttctcaacaa atctgcggcg cttcatatga ccatcaacgc cgccaagggt 180

ttgcaagatg tactcaagtc gaatctcggt cctaaaggaa caatcaaaat gcttgttggt 240

ggttctgggg atattaagct taccaaagat gggaacacgc tattgaagga aatgcaaatt 300

cagaatccaa cagccattat gattgcgagg acagctgttg cacaggatga tataagtggt 360

gatggtacta cttccactgt tatcttcatt ggtgagctta tgaaacagtc tgaacgctgc 420

atcgatgaaa gtatgcatcc acgantccta agntgatggt ttcgagattg ctaaganagc 480

tactcctcaa atttcttga 499

<210> 7070
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-F5

<400> 7070

acgcgtccga cctcttcgtc ctcgtcccct gtcgttgctc tttcttcctc tacatcgcca 60

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aaaaaacatc cgatcaatgg gacgagcacn aggatgattt caccaaaatg tgccgcttct 180

gatgcagctc aattgataag cgctaaagaa gatatcaaag ttcttctccg gactaagttt 240

tgccatccca tcttggttag attggggtgg cacgatgctg gtacttataa caagaatatt 300

gnggagtggc cactgagagg tggagctaat gggnagtcnt aggtttgagg ctgacgctta 360

agcatgctgc aaatgctggt ctgcttaatg ctttaaagct cattcagcct ctcaanngac 420

aaggtatcta acaatctcct tatgcgggac ttattccaag tttagctant gc 472

<210> 7071
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-G1

<400> 7071

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catggcgtct ctttcttcta cctctctctc tctccccaag aattctcacc aactccatcc 120

ttcatctggt ttttctctga atccaaatgc tcgttgtgtc agtgtttcat ttggactgaa 180

tcactccaac aaacttcata tttctgctcc taagaaccaa aaggatccta accattcaat 240

ctgcanacag agatgatgat ggttcaggca gcacaggcct attcgtcgga gggtttattt 300

tgggcgggac ttatagtcgg tgccctcgga tgtgtatatg caccacaaga ttaagcaagg 360

cnatagcctg gagcagaacg gaaaangatt tcatgnagga aanttggcct aaaatcnata 420

atatgacnna nggaaaaaag cttgggngaa naaacaacct aangtactaa gctgnagaaa 480

aaattggctc angccttaaa ct 502

<210> 7072
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-G3

<400> 7072

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ttttttctct aaaagtttgg attttgattt cgttgctgaa cggaaaaaga atcagctcct 120

ttcagtttag ggttttgggt ttctgtttgg tctctatcag atgatgtgtg aggagattct 180

tcctctgttt gtgtctgttt cagatggaag acaatgataa gtctcccccc aaggattact 240

ataagattct agaagttgat tacgacgcaa ctgaggaatt gatcagactc aattatcgga 300

agcttgcatt gaagtggcat cctgataagc acaaaggcga tagtgcagct acagaaaaat 360

ttcaagagat taatgaagct tataatgtgc tgatggaccc tgctaaacgt tttgagtatg 420

atttcactgg tatatatgag atccacanat acacnttacg ggaaatatc 469

<210> 7073
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-G5

<400> 7073

naagcaaagt agaaaacaca agtttctctc acacacatta tctctttctc tattaccacc 60

actcattcat aacagaaacc caccaaaaaa taaaaagaga gacttttcac tctggggaga 120

gagctcaagt tctaatggcg aacttggtct tatcagaatg tggtatacga cctctcccca 180

gaatctacac aacacccaga tccaatttcc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

atgggttcac gaggaattgg gcgttgaatg tgaggcacac cattaacgac accaatattt 360

gaggagtctc cattggaggg aagatactan acagagatnc gattcagngt gcgcctccnc 420

ngttcaattt agctgatatn a 441

<210> 7074
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-G6

<400> 7074

nctttaacac agagaaagag cctgagagac aagtgagaaa cgcaacaaca ccaccgaaag 60

agagagtcca aattcgaaag agaaaaagaa tcaaattcct tcttcttcct tttttgattt 120

tcaattatta ctttaatctt ctttcccgct ctctattctt cttcttcttt aggatcaatc 180

accgtttagc tttcttccca tacgtctctc cgtttacgac cagtatacag aggctggagc 240

tggggaagaa aaggattgtc tatggaggga agacgtcgga ataggtttgg tatgccanga 300

atacnatgga tgggaaggcg agtaatggna atggtttaga gaagactgta ccttcttgtt 360

tccttaaggc tatggcatgt gtacctgang gangatgcta agtgtcactc nactgttgtt 420

nctggggtgg gttttcggga acct 444

<210> 7075
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-G8

<400> 7075

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gcgagctcag tgacgctgct tctatggagt cttcttcttc tcggtacact aagcgctatt 120

caggccaaaa agtctaagga aaacttaaag gagatcacac acaaggttta ttttgatgtt 180

gaaattgatg ggaaagcagc tggtcgtatt gtcatgggtc tatttggcaa gacagtcccc 240

aaaactgtag agaatttccg agctttatgc actggggaga aaggaatagg taagaatggg 300

aaggcgctcc attacaaggg gagttcattt cataggatca taccaagctt tatgctccaa 360

ggaggcgatt ttacacatgg aaatggaatg ggaggagaat ctatctatgg tgagaagttt 420

gctgatgaga acttcaaact caagcatact ggtccaaggt tcttatcaat ggcaaatgcc 480

cggtcaagat accancg 497

<210> 7076
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-H3

<400> 7076

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tcttcatgtg gaggttgagg ttaagtctcc ggctgaaaag ttctgggtag cccttggcga 120

cggcatcaat ctcttcccca aagctttccc taacgactac aaaaccatcc aagttctanc 180

cggcgatggc aacgctcctg gctccattcg cctcattact tatggagaag gatctccact 240

ggtgaagata tcggcggana ggatcgaagc agtggatttg gngaacaaaa gcatgtcgta 300

cagcatcatt gggcggagaa atgttggagt actacaaaac cttcaangga accatcancg 360

ttatccctaa ggatggtggg taaccttctg aaatggtctg gtngagtttg agaagaccgc 420

ccatgnagat tcgaagatcc acaatggtca tcn 453

<210> 7077
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-H4

<400> 7077

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ttcttcctcc tgcatttttg gttttggngg cgttgagaca tcatcatgtc nancgcagag 120

gatgtgaaag agcaaggaaa cctcaccaac gaggcanaga agtcaatgcc atcatcacan 180

caggangang ctgttgtaaa gaagaagtat gganggctca tgccaaanaa accacctctc 240

atttccaang atcatgagcn agcatacttt gactcanctg attgggctct tggaaaagca 300

aggtgttgcg aagccaaang gacccctgna aagccttcgt cgcaanttac aaccaacgca 360

gcagcagaca cgttacaaga agtctccatt tctccatctg aaggtggttc aanatggang 420

agctgctcca gggccgacng ggaggtt 447

<210> 7078
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-H6

<400> 7078

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tgaagaactt tcattccata aatctacaga tctttgtgta tcaagtaaag agatgtcagg 120

aagaggaaag ggaggaaaag gattgggaaa gggaggagcg aagaggcaca ggaaggttct 180

gagggataac attcanggaa tcaccaagcc tgctattcgt cgtcttgctc gtangaggtg 240

gtgtcaagcg tatcacgtgg nctcatctac gangagacca gaggtgtcct caagatcttc 300

ctcnagaatg ttatccgtgg acgccgttac ctacactgag cacgccagga ggaagacngt 360

gaccgccatg gnggttgtcn acnctttgaa caggcaaagn ctnctcncta cnggnttcgg 420

<210> 7079
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-A10

<400> 7079

aacggggccg gcccacgcgt cnaanaaaac anaaagtagc ttctccanga cgcggttccc 60

aatatctgcg tttcccgttt gcgttttccg gcaatggctc tccaagccac tactactang 120

ttctgcttct ccggtccaac tttccgatca actcctcact cactcacttc aaaacgtcct 180

atctccatca aagctactac ttcttctcct tcaagactct ccaattcacg atctaatctc 240

aaaggaagag cattgtctag tgatggttca acacnnagaa tctccttatg tantctgttt 300

tggngaaatg ctaatcgant ttgtnccgac gacaagcgga ctttcattan ccgatgcacc 360

gggttttaaa aaagctccag gtgggtgcac ctgntaatgt anctggttgg tatgctngtc 420

cttgggtggg ttc 433

<210> 7080
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E2-A11

<400> 7080

cactctccag ngaccggtca aggntnacgg gtcgggccac gcgtccgcac aaatctctct 60

tccacccatt gttatctctg tagaagcgtg agagagatca cgcgtgttca ccgacacaat 120

caaaatatgg cgaacggagc cgatagattg ggatctggac ggtaaaccga ttaagccgat 180

gacgatatgn nngatcggtg ccggaggttt cattggctct catcnctgtg agaagcttat 240

gacggngact cctcacaagg ttcttgcgct tgatgtttac aatgataaga tcaagcactt 300

ggnttggagc cngnnaccgt tcaatgggct ggtcgggntc cagtttcagc cgtancanca 360

ttaaggcatg antctagacg tganggactg atcaacatgg cagatttgac ganaaatcta 420

gctggcgatt cngttctcc 439

<210> 7081
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-E8

<400> 7081

tggttggccc ggccgtancg gtaaaggaaa ttcccgggtc gacccacgcg tccgcccacg 60

cgtcngcctc ttcctctcat tatttttgtt ctcgccaccg aaacaacaga agttgcagac 120

tttatccgaa tttagggttt cagctcgttc tctcttctcc aattatcaga tccacgaaac 180

tctacttttc ggatcaggtc tcagcttctc tatcgtttgc ccctcagatc aacaaagttt 240

catgtctgaa cttgattccc aggtccctac tgccttcgac ccgtttgctg atgcgaatgc 300

tgaggactca ggtgcaggaa caaaggagta cgttcatatt cgtgtccaag cagcggaatg 360

gtaggaaaag cttgacaacg gtccaggggc tgaagaaaga gtacaacgac accaagatac 420

ntaagggncc tcaagaaaag aantttgctg caanggnanc tgtgggttca aggactcagn 480

actcggacag ggttattcaa cnttca 506

<210> 7082
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-H11

<400> 7082

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aagctcgcct tttaaagggt tcatatgatt ttcttggtct caactattac gtcactcaat 120

acgcccacgc ccttgaccca agtcctccgg aaaaactcac tgccatgacg gactcactcg 180

caaaccttac atctcttgat gcaaatggtc aacccccctgg tccaccgttc tctaaaggca 240

gttattacca cccaagaggg atgttaaacg taatggagca cttcanancc anatacggtg 300

acccctttaat ctatgtcacc gataacggnt tcagtacctc cggtgggccc ataccttca 360

ccgaatcatt tcacgattac aaccggattg attatctctg cagtcatcta tgttttctcc 420

gcaaggccat caangagaag cgtgtcaacg tnaaangata ctttgtntgg tctcctgggg 480

ataattacna ttctgcaac 499

<210> 7083
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-H7

<400> 7083

gaattttatt attaaaaaag gaaaatgtta ttccttttt gcttctcttg acttggcgta 60

atcaacttcg ccatcttcgt ttttgtttcg atcccaatcg agttttctct caatttgaga 120

aatgggttca ctgaaaaagg acggcgagat cggatatgag tttacggagg cgttactgta 180

cgttaacggc gttcgtagag tcttgcctga tggattggct catatgacac ttctcgaata 240

tctcagagat ttaggattga ccggtacaaa gctgggatgc ggcgaaggtg gttgtggggc 300

ttgcacggtg atggtgtcta gttatgacag gaagtcaaag acctctgtgc antatgctgt 360

caacgnctng cctagcacct cncnaagcng gtagnaggga tgcatgttag atccangtgg 420

<210> 7084
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-B5

<400> 7084

acgcgtccgc ttgtttgtgt tctctcaaat cctctgataa gaatcaatgg ccaaggaatt 60

agcagagaaa gctaaagaag cttttctaga tgatgacttc gatgttgctg ttgacttata 120

ctccaaagcc attgacttgg atcccaattg cgccgccttc ttcgccgatc gtgctcaggc 180

caacatcaaa atcgataact tcactgaagc tgttgtagat gcgaacaaag ccattgagtt 240

ggagccaacg ttggcaaaag cctatctcag aaagggcact gcttgtatga agctagaaga 300

atatagtact gctaaagcag ccctggaaaa gggagcttct gttgcaccga atgaaccaaa 360

gtttaagaag atgatagatg aatgngatct tcgtattgca agaagaagaa gaaagattgg 420

gtcaancgat gccacc 436

<210> 7085
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-C2

<400> 7085

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gtattgtcaa agggaagctc tctgtagact cagccgagca acgcctcgcg gggttatgtc 120

ctcttatgcc anaagaagtt ggtattcttt tacgagctta tggatactca tgggatacaa 180

tcatatatgt cgctgggga gaggtttttg gtgggcanag aacgttaatt cctttacatg 240

gtatgtttga gaatgtcgtt gaccgtactt ctctaagtac tanctgggag cttgctaaaa 300

tgtatggggc gtgaggcaaa gcataatgat atcaagaaaa tgacacctcc ttcgatcgag 360

gtagaaacga ngcatgattc attgaaaagc acaagacaag agacctcaac cgc 413

<210> 7086
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-C5

<400> 7086

acgcntccgc ccacgcgtcc gcggacgcgt gggttttaga tttcgaatcg agaccagatc 60

tgcgtgaaga tgatagagaa gtgtatagga gcgcatcggt ttcggagatt acagagattc 120

atgcgtcaag ggaaagtgac gattctttgt ctcgttctca ccgtcatcgt cttacgtggc 180

anaatcggag ccggtaantt tggtacgccg gagaaagata tcgangagat ccgtgagcat 240

ttcttctaca cgcgtaaacg cggcgagcct caccgtgtcc tcgtcgaggt ctcttccaaa 300

acgacgtcgt ccgaagacag gangaaatgg gggtaacagc tngganaccn tcgagtanca 360

anacggtatt cgttcatcaa aggagacgaa gngganagct cgaataccgg gg 412

<210> 7087
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-D2

<400> 7087

acgcgtccna tttgagtggg atcaaaccct anatatggcg gagaagcttg cgccagagaa 60

gagacacgat ttcattcaca atggtcaaaa ggtatttgag tgggatcaaa ccctggaaga 120

agtgaacatg tacataactt tgccgccaaa tgttcatcca aagtcattcc actgcaaaat 180

ccagtcgaaa catatcgaag ttggcatcaa aggcaaccct ccctatctca atcacgatct 240

tagtgctcct gtgaagactg attgctcgtt ctggactcta gaggatgata taatgcacat 300

taccctgcag aanagggaga aanggcaaac atgggcatca ccgattctgg gacagggtca 360

gttaggatcc ttacgccact gatcttgang cagaa 395

<210> 7088
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-D3

<400> 7088

attttgcgac tcttcttctc cttatcctct aaatctctca ccggtcaccg acgacgggaa 60

cttggtagtt acaggaacaa gaaatgtcct cgaagttccc tctcggtgta cgcttcatca 120

ctcattctct tccttgtact cgtctcgctt ccatgaattc tggcgccctt atctattcat 180

ttcgttccgt tcctgttcta tccaaagcct ttccttttag gttaaagtac attggattag 240

gttcccgggt caacttttca acccgaccag agagatctca anccgaattc gcgcggcgaa 300

gtggagctgg aggaganatt cgcgcgtcca agagcttgat tgaggatgag gcagagctta 360

gtgattgggt gagcgatttg cacggactaa gttcgttgcg cggggaagtt cancg 415

<210> 7089
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-D7

<400> 7089

atcaatggtg gatgagctgg aagcaatgtt agatgtggta gacccgcaac cgcaggggaa 60

atcattgtcg atgagaagaa gaacatttga tatgccagac agtttgatcc gcanagaaat 120

cgcagaggga gtgactcaga ttgtgcagat gcttgaaacg gaagaagaat gatggaatgg 180

agcactgtgt gtttgtgact caggggctgt ttttgttgtt gtttgtgact gggaagaact 240

gatcagcctc tttagtttga ttagtgttct gaatgtttct aattatgcag acaaaattaa 300

taatgagagt ggcttgaaca agagattggt gtctcgctcg catcagtctc atctctcana 360

ncntggtccc tccttagtcc ggttnctg 388

<210> 7090
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-F11

<400> 7090

acgcgtccna acaaaagaag atccaaagat gagtgaagaa gcatatgaag aaactcagga 60

atcaagtcaa tctcctcgtc cggttccaaa actgaacgag aggattctct caacactatc 120

caggagatct gtatctgcac atccatggca cgaccttgag attggtcctg aagctccatt 180

ggtcttcaat gtggtggttg agatcacaaa gggaagcaan gtgaaatatg aacncgacaa 240

aaagaccggt cttatcaagg ttgaccggat cttgtactcc tccgttgttt anccacacaa 300

ntacggattc ancccacggn cattgtgtga aggacaacga tcctcttgat gtccntggtc 360

cntatgcaag gaaccantgc ttcccnggat gtntcctccg tgccata 407

<210> 7091
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-F3

<400> 7091

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tgaagcggcg tcgctcgacg tttattattc cgacgactag gcctttgagg cagtttctga 120

ttaacttcag gcgataatgg caaacagaac agatccgttg gcaaagaata taagaggaac 180

gaatccgcag aatctggtag agaagattgt gcgaacgaag atttatcagc acacctttg 240

gaaggagcag tgctttggtc tcacggcgga gacattggtg gacaaagcta tggagctcga 300

ccatctaggt ggtacctttg gtggtagccg caagcctact ccgttccttt gcctcatatt 360

gaagatgctt caaatccagc ctgagaagag acanggca 398

<210> 7092
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-F4

<400> 7092

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cattcacaat ggtcaaaagg tatttgagtg ggatcaaacc ctggaagaag tgaacatgta 120

cataactttg ccgccaaatg ttcatccaaa gtcattccac tgcaaaatcc agtcgaaaca 180

tatcgaagtt ggcatcaaag gcaaccctcc ctatctcaat cacgatctta gtgctcctgt 240

gaagactgat tgctcgttct ggactctaga ggatgatata atgcacatta ccctgcagaa 300

gagggagaaa gggcaaacat gggcatcacc gattctggga cagggtcagt tagatcctta 360

cgccactgat cttgagcaag aaacggctca tgctccaaaa gtttcaaaga agagaaaccg 420

ggattcna 428

<210> 7093

<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-F6

<400> 7093

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gcgtgggcgt cgctgtcgct gtgtctctct ttctcactct gttccataga tctgagcttc 120

tatcaatatt ctcggatcgc tatcagtcaa atcttaagaa tttcgtcgct ttagctcaat 180

tcggattgtg gaggaagttt taggatttga tctccatctc gtatccaagc atggttgctc 240

ctgtgcctcc aggggcacct agacccaaca gccagcaaaa ttccgggcca cctaatttct 300

acccgggttc acaagggaac tcaaatgctt tagccgacaa tatgcagaac ttgagcttga 360

atcgaccacc tccgatgatg cctggctcag gtcctagacc acctcctcct tttggtcagt 420

caccanangc ctttcnctca gcaatcccct tcntatggag ctccgcaacg tngggccttc 480

aag 483

<210> 7094
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-F8

<400> 7094

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gtaacatctc tgaacctgtt ctctgtctct cagcagcaaa acctcgaggc ttctttttct 120

ttcattctct caatttcttc tctctgatct gaattctcgc cgagtgaatc tagaaccagg 180

caagctccaa ttaggtttaa ggttttcaag cactctgttt ccaatgctgc ttccgagatg 240

gtttgcagaa gcgttgttgc tccnactttc aattcttgcc tgttcaaacg ctgcatttat 300

cggtgtaaac attggcactg atctcaccaa catgccaccg ccttcagaca ttgtnacact 360

tctcaaatca caanaagtca cacacgtccg tctctatgat gctna 405

<210> 7095

<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-G2

<400> 7095

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atctaagatt tactgatttt gaagtggaga agaaattagt tgtctcgaca aaccccacta 120

gaaactttgt ttagtgtgtc ttcttaaagc ctgcaagatg cagagaccac ctcctgaaga 180

tttctccttg aaggagacga gacctcatct aggtggagga aaactctctg cgnnataagc 240

ttaccagtac ttatgacctt gttgagcaaa tgcantatct ctatgttcgt gtggttaagg 300

caaaggagtt acctggcagn ngatatgact ggtangttgt nacccttatg ttgaggttaa 360

gcntgggaac tacgaangca ncancaangn nttcnagaag gaatcgnatc ctggagtggg 420

acaagnt 427

<210> 7096
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-101-Q1-E1-G4

<400> 7096

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gaaggactta gaatagaaga tgttctagtc agaattgctc ttctgatacn agttcaggag 120

aaggtgaaat ttgtagaaga tcatccaggg aaacctgttt tcccctctcg cattcttgaa 180

agattccccg gactganaag tggnaaaatt tggaaggagg aacatgacaa gataatgata 240

cgtgctgttt taaagcatgg gtacggacgg tggcaagcta ntgttgatga caaagagttg 300

gggatccaag agcttatctg caaanaattg aatttccctc acataangtt tgtctgctgc 360

tgaacaagct ggnttgcagg g 381

<210> 7097
<211> 413
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-G7

<400> 7097

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gtcatctact tctgattcca atcattccaa ccgtctgatc actacggatc aaagttttaa 120

gcccggtgtt gaccgtaaat ctcctcgaag cggtggacct aacagtgatc cgcttggtca 180

gaagaaactt gggggacgaa tatcggatct agagtcgcag ttaggacaag cgcaagagga 240

actgagattg ctcaaggagc agttggctaa tgctgaagct gtgaagaaac angctcaaga 300

tgagcttcat aaagaagtcc aangaaacca aanccgctgg gctcgagtgg angaatccng 360

caactgaagg ctganaagga tttgatagag acgaaatncc ctggttaatg ttg 413

<210> 7098
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-E11

<400> 7098

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gaatgaaatc gatggctccg acggcgacgc tggacaacaa tgaggagctc cggcgactca 120

gggaggttaa tattgacgaa gctccggggc gtcgtcgtgt tcgtgattcc ttgaaagata 180

ttcagcttaa tctcgatcat atcctcttca agacaccaga aaatgggatt aagacaaagg 240

agtcttttga ggtgaattcg agaggagttg agattttctc taaaagctgg cttcctgaag 300

cttctaagcc tagagctttg gtttgtttct gccatggtta tggagatact tgcacatttt 360

tcttcgaang aattgcaagg agattggcat tgtctggata tggaagtttt cgctatggat 420

tatccgggga ttcggcttat cagagggctt gcatggttat atcccct 467

<210> 7099
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-F4

<400> 7099

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caatctcacc aaattttcat cttcaccttc antttgata gattctcttc accgaaccaa 120

atccgtaacc ctagcttctt cntaaattat anagaaanag agttaattcg aatctggatg 180

aaattggttt tgtctacatg gaaatctaga tgtgtctgat tccgaaatct gagtctgaga 240

gatgctagga gcgattcatt tgggagtatt agcagcttgt ttcgtcctct tcgttcccat 300

ggcaatggct ggttggcatc tgagcaggaa caagatgctc ttctttagtg gcgctttgtt 360

tatttctctc gcggtttgtg ttcatctcac gccttatttc cccttcccgt tttccgacat 420

cgttgccctc ctgtttcctc cngttgttgt ccaaggatta accgtatcct cttgtatcaa 480

acgagggt 488

<210> 7100
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-F6

<400> 7100

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canaagcaat ggtggatgca gctataaagg ctgcatcatc tgtgaatgaa ggggaagatg 120

tgaacacaat gatccaagaa gccttagagt tggttggcaa aaatcagcta ttacgcagct 180

ctatggtcaa acatcangan catntaaatg gcagtataga gcatcatcac aacccatctc 240

cttcaaatgg atcanagcct gtggctaaca acgatttaaa ctcacaanat ggttcanaga 300

aaaacgctca aatgccttca gagcttatca cctcctgtgt tgccacttgg ctcatnattc 360

agatgtgcnc ggagaagaca gtaccctcca nctgatgtcg cacagcttat aagacgcagc 420

aagtcacang cttgcaacca cnatgcncac ataanctacc gatttaacag anganatccg 480

gacgtgcatg gggaacggat taangactca 510

<210> 7101

<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-G10

<400> 7101

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cgcgtccggc ataaangaag anatcanatg agagtcctca tgtgtatgca attgcagata 120

cagcaattcg cgaantgata cgcgatgaag ttaaccaatc tatcattatc agcggcgaga 180

gtggagcagg gaaaactgag actgctaana tagctatgca atacttggct gctcttggag 240

gcggaagcgg gatcgantat gagatactta agactaatcc cattttggaa gcatttggaa 300

atgcaaaaac attgagaaat gataattcta gtcgttttgg gaagctaata gagattcatt 360

ttagtgaaag tgggnaagat atcgggtgct caaattcaan ccttttttact agaaaagtct 420

agagtggtcc aatgtgctga angggaaagg tcatntcnta ttttttanca actttgtgct 480

ggggcttcac ctgcacttag agagaangcc aaatc 515

<210> 7102
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-G4

<400> 7102

gcatctancg gtcgacgatc ccgggtngac ccacgcgtcc ggncaaantt ccgacttttt 60

gcttctccca naggctaatc atggacgctg tggcggcgaa tttgtttcaa tctccttcct 120

tactgcgtca aacttccgaa aggttgatat tttcgacgcc caactgtcct ggcttcatgc 180

gaattagctc cggacctcaa tttcgtctca gacaaaactc ttctcttaaa ttctcgagac 240

catttcaaag cggaacaact tgtgttaaat ctcggagaag ctttgtggtt aaagcttcag 300

cttctgggtg atgcttcaac agaatcaatc gcgccgcttc agttgaagtc tcctgtggga 360

cagtttctgt cacagatatt aagtgagcna tccgtcatct tgttcnagca gnctgttgaa 420

cagcagcttg annangctcc aagattgatt cgagacgctg aaagannaag ngttaagatt 480

gnatcctctg tccttggga 499

<210> 7103
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-H1

<400> 7103

acgcgtccgg ttnagagctt agaagccgtc ggcacagnaa gaagaagaan aagantgtct 60

cacaggaagt ttgagcaccc aagacatggt tctcttggtt tccttccaat gaagagagct 120

aaccgtcaca gacgaaangt gaangcgttc cctaangatg accaaaccan gccttgcaag 180

ttcacagctt tcangggtta caaagctggt atgactcaca ttgtcagaga agtggagaan 240

cctggatcca agcttcacaa gaagganaca tgtgaggctg ttaccatcat tgagacacct 300

gctatggtgg ttgttggagt tgttgcctat gtgaaaactc ctagangttt gaggtccttg 360

aacaccgtcn gggcacangc aatttgangt taaggaagtc aaggncaaag gtctacaaga 420

antggggcta aatncnaaga agaaggnttt caactgggtt accctaa 467

<210> 7104
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-H12

<400> 7104

cggttccngg cctacttttc gtgncccagg gtcgganaat gcgtcgggnc ncgcgtccga 60

ttcaacagag gtttttgata ttggagggaa tcggtaacgg gcatggaagc cactgatcca 120

agcgcagaga tcgagctcta caccattcct gctcaatcca gttggttctt atgggatgat 180

atacacgaaa ttgaaagacg cgagtttgcg gagttcttca ctgagagctc aatcactaga 240

acccccaaag tttacangga gtaccgagnt ttcattatca ataagtttag agaggacact 300

tgtcggagac tcaccttcac cagtgtccgc angtttcttg ttggcgatgt caatttgctc 360

caganagttt ttctcttcct ccgaaaaatg gggattgatc aattttagct cttccctgan 420

gaanaaatga ccatcntatt gtccgtggat aatgctnaaa tngaacaagg gactcctgct 480

tggnattcnn gttactggca acccctaant 510

<210> 7105
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-A12

<400> 7105

ccacgcntcc gaaaaatatg tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnccg 120

ctggacgtcg aaacaacctg cctcgtccaa acctcagaag acgatgtaag gtcaccgctt 180

cacgggctaa tattgaacaa gaaggtaaca cagtgaaaga acccattcag aatattaaag 240

taaagggata cataacggcc caagaagagt ttctggaggg cataacttgg tcgagaggtc 300

tcgatgacat tgctgatatc cgcggcaaga tnattgctcg tcgagcttat tagcgccaag 360

actgaccagc ggattacggt agaagactac gcacaacgtg tatgggccga agcccctgat 420

gagaagtacg agtgcgagtt tgagatgcct gaagactttg gaccagtgg 469

<210> 7106
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-100-Q1-E1-B8

<400> 7106

gcaaataacg aaaaccatgg atccgaaacc aacctcgatg tggagctcaa ttgtgaagaa 60

agatccacct tcaaagcctc cggttaacga cggagctccg gcagcgattc tcgggatggt 120

cggaaactgc aaatccacaa aaggaatatc tattgcggtt gttgacgcca acgccatcat 180

tgaaggacgt cagagcttaa caaacttcgc cgacaaattc gtaactgtcc ctgaggttct 240

ctctgagatt cgtgaccctg cttctcgccg tcgtctcgct ttcatccctt tcactattga 300

taccatggaa ccttctcctg aatctctaag taaagttatc aaatttgcaa gagctactgg 360

tgatttgcaa tctctgtctg atgttgatct gaagttgatt gctttgtcat acacgcttga 420

ggg 423

<210> 7107
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-C9

<400> 7107

actgncccga catcccgaat cgncccacgc gtccggctnc ttcttcntca anatctctct 60

cttcancaaa tcctcagaat atgancaacg acaaggntag cttcnacgtc tccgatctta 120

ctgctgctct taaggactag gatcganctg gccttgtcaa tgctctaaag aacangctgc 180

agaatctggc tggtcagcgt tctgatgtgc tctagaatct gactcccaat gtgagaaagc 240

gcgttgatgc cttgagggat atacagagcc aanatgatga actanaggca aaattccgtg 300

aggagagaac tattcttgan gccaagtatc aaacgctgta tcangccttt gtatgtcaag 360

cgttatgaga ttgtgaatgg cactactgaa tttgaactgg ctccagacga tgataccaat 420

gtgnaccaan gagangagaa aactgcagaa ganaaaggag ttccaagttt ctggctgaca 480

gctctgaaaa at 492

<210> 7108
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-100-Q1-E1-D6

<400> 7108

acttcgcccc ggccggtacc aagtccaaaa attcccgggt cgacccacgc gtccggtgac 60

ccgtgtgggg acaataagtt ggtggaacac tggctcggcc cacgggtcgg atctgttgtg 120

gcattgttcc gggctgccca gtccaagctg agagtgatcc gtgtgtgtta agcgaaggct 180

tggctcaggc ggttcttgca gtggagggca atgcgtgagg ctggtttcac agagcaagcg 240

atcacctccc gctctcagca gtggacggat cacagctcga cgccactcag attcaccatg 300

gcctgctggc tcgttcccag ctggaccacc aatttttgaa aaaaaaaaaa aaag 354

<210> 7109
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-E1

<400> 7109

cgatctagta gtcacgcgac tccgccgtcg attacatggc ttctnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttcgccacgt 120

caccaaactg ctgcaacaaa tccaaccacc cttctccgcc gccagcggag gataatcttc 180

tccatctcgt cgctacttac ctccaaaatc atcaacaaga aactcaatgc tcctgcgaga 240

cttcttgtca aaacttcaat gttattagaa gtcagaaccg tgttttgcgt cagcataaga 300

atgttccacg agaatacgac caagttgttc tgtcttgtct tctccgcaaa atcgatgatc 360

ttgaatcttc actcaacaag ttttcatcnt tccatgacaa aagtccaaat tgaaac 416

<210> 7110
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-100-Q1-E1-G1

<400> 7110

aacttttacg ctgccccgtg ccggtccana aattaacggg tcnacccacg cgtccgntca 60

caaatcgtgt catcactttg tgggtatang ccccctgaat tgttacttgg tgcaactaaa 120

tatggaccag cgattgacat gtggtcagtt ggatgcatat ttgctgaact tttgaatgga 180

aaaccaatct tgcctgggaa aactgagaat gaacaattga ataagattta tgagctttgt 240

ggatcacctg atgaaagcaa ctggcctgga gtttccaaga tgccttggta taaccaaatg 300

aaatcatctc ggcccttaaa gagacgcgta agggagatct acagacactt tgatcgccat 360

gcccttgaac tacttgagaa aatgttggta cttgacccat ctcaagagaa tatgcgcaaa 420

ggatgctctt gatgctgagt acttttggac tgattcgctg ccangtgatt caaagag 477

<210> 7111

<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-D7

<400> 7111

tcccgcacta gggtccgana ttcccgggtn gncccacgcg tccgttcatc ttcttctcct 60

ctgcttttgg aatcattata gtgataagag gagatggcgg atataacaga atatctagag 120

agatcgatgc agaattgttc acttattgat cggagaagta gtatgggaga tggatttggt 180

atgagcgatg aacatatccc gatctcagat agattcttgg agctcagttc tcacttctct 240

gttccttctc atttggaaca gtgtcttgat cttaagacag gagagattta ctacagaagc 300

tggaatagtg gaatgagagt gaaagaagat ccgagaaaat cgatgagtcg tggtaactat 360

gcagaccaat ccaagtggtg aatcgtctgg aacagttttt tcatcagaag aagttagctc 420

ggtattatga aagcgaagag tcctcatcag agtcgtcncc ttcatcanga aagtatcaca 480

aagaggaaca ggaca 495

<210> 7112
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-G5

<400> 7112

cngctttcgc ctggccgtaa cggtccggaa ttcccgggtc gacccacgcg tccgaagaag 60

atgacgtgct tctcttctgc tactcctcat cgccatcatc ttctactttc ttctccatct 120

acttccaaat ccctgcttcg atttccctca tcttatctga aacctagccc cagtcttctc 180

ttccatggct catctcgctc tctcctctcc tgttcagacg gcagcaacaa ccgtcctcct 240

ccctccggtg acaccgtccc aaataacttc tgtatcattg agggatcaga gacagttcaa 300

gactttgtgc agatgcagct tcaggaaatc caagataaca taaggagtag acgcaataag 360

atatttctcc tcatggagga agtgaggaag ttacgtgtgc aacaacgtat caagagtgtt 420

aaagccatca atgaggacag tnagctcnaa ggtaccgaga tgcctgagat tacatcctcc 480

aantc 485

<210> 7113
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-G8

<400> 7113

tgaaaaccac agttcagaaa acggaggatg aggattatgt agaagggagc gaaacaggat 60

atcccgaggc atctggtaat ccggttgatg gtgcagcttc cccgtcagct accacaggct 120

atgtcacaaa gctagctgct gccccagctc ctgtacccga tctgctaggt gacctaatgg 180

ggtcagataa tgctgcaatc gtccctgtag atgaacccac aactccgtca ggtcgtccac 240

tgcctgttgt cctaccagca tcaaagggtc aaggtctgca gattagcgct caattaaccc 300

gacaagatgg tcaagtattc tacagtatgc tcctcgagaa caactcgcag tcacttcttg 360

atggcttcat gattcagttc aacaaaaact cattcggc 398

<210> 7114
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-G9

<400> 7114

ccactgtttt gcctggtcct ancggtccgg anantcccgg gtngncccac gcgtccgctc 60

aaattttgaa actaatcatc tctctccttt tttcaaacat acacagagaa tgggtgggat 120

tcgaaaaccc ctgcgaaaac caaattgtta gattcgtctt cgatttctaa tgtcagagtc 180

gtccttaggg ttcgtccttt tcttccccgg gagatttcgg acgagagttg tgacgggaga 240

tcgtgcgttt ccgtaatcgg cggcgatgga ggagatacca gcgaagtggc ggtttacctc 300

aaagatccag atagctgtcg taacgaaagc tatcagctgg gatgcgtttt acgggagaga 360

ggatgataat gtgaagcata tattcgatag agaagtaagc cctttgattc ctgggatctt 420

tcatggtttc aatgctactg tgcttgctta tgggagccac cggaagcgga aagactttta 480

cgatgcangg aatcgatgag ctacca 506

<210> 7115
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-H12

<400> 7115

cagggtcgga tantcccggg tggccccacg cgtccgncaa gatatagcag gaaaggccct 60

ctctttgttc aagggagtac ttgattacac agaattcaat gatgtggaca tggtcactag 120

aggcagtgat tgaaaacatt caattgaaac aagacatatt caaagaaatc gaaaaggttt 180

gttcacccca ctgcattttg gcgagtaata catctactat cgacctcgat gtnattggtg 240

anaagactaa ctcaaaagat cgcattgttg gcgcacattt cttcagtcng gcccatctga 300

tgccccttct cgagattgtt cgttcaaaga atacttctgc tcaggtgatt ctgggatctc 360

atggcggttg gaaaggccat aaagaaagtt cccgtggtgg ttgggaactg cataggcttt 420

gcagtgaata nganattctt tccttaagtc acaagctgca catatgttgg ncaatc 476

<210> 7116
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-H7

<400> 7116

ggaaactgct ttcgcctggc cctaacggtc cggaaattcc cgggtcgacc cacgcgtccg 60

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 120

aaagtttatg tcaatctagc ttacaacaac ttgagtggac caatcccaca aaccggtgct 180

ttggtgaaca gaggaccaac tgcattcttg gggaatccaa gactctgtgg ccctccattg 240

aaggatcctt gtttgccaga tacggatagt tcttcaactt ctcacccttt tgtaccggat 300

aacaacgagc aaggtggagg agggtcaaag aaaggagaag gtttaagtaa aactgctatt 360

gttgcaattg tggtttgtga tttcattgga atctgcattg tgggatttct cttctcttgt 420

tgttacttga agatttgtgc acgtcgtaat agtgtggatg aggaaggcta tgtgttggag 480

aaagaaggga aaga 494

<210> 7117
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-H8

<400> 7117

ggtngaccca cgcgtccgcg anttcccgtt tcgtgaattt ctctctctct gtgtgaacaa 60

agacgaagaa gacgaagtaa cactgataga aaccctagtt tttttttaa atccgtcgag 120

gcgtaatgtc gtcggagctg cagatttcgc cggcgattca cgacccgcaa ggtcaagaga 180

agcagcagca agccgccgga gtcgggattt tgcttcagat catgatgctt gtcctctctt 240

ttgtactcgg tcatgtcctt cgccgtcata agttctatta tctacctgaa gctagtgctt 300

ctcttctaat tgggctgatc gttggtggtt taacgaacat ctcgaacacg gagactagca 360

taaggacatg gntcaatttc cacgatgaag ttcttcnttc tgtttccgct gcctcccatc 420

atattccagt caggnttcag tttacaacct aa 452

<210> 7118
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-A1

<400> 7118

acgcgtccgc ganagaagat ttgggtatga ccatggtgga ggatatgacc gtgaaatggg 60

tgggaggcct ggttatggtg atgaaaggcc tcatggtcgc tttatgggtc gctatcagga 120

ctgggaggga ggacgtggag gttatggtga tgcttccaac agtggaaatc ctcaaaggga 180

tggattgatg tcatacaaac aatttatcca ggagttggaa gatgatatat tgccatctga 240

agctgaacgc agatatcaag aatacaagtc agagtatatc acaacacaaa aactgccttt 300

tttaacaccc acaaaganga agactggttg aaaaataagt ncatccaaca aacttactat 360

cctgtcatag aaaggaggaa tgaaccttgc acaagaangg tggcaaaagg atttccttaa 420

cttganttac aaaagccggg aacacta 447

<210> 7119
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-A5

<400> 7119

ctgtcttgcc tggcnctagc ggtccganta ttcccgggtg gccccacgcg tccgctnatc 60

tcctaatctg tacggttctt atttcgaaag ggtaaaaacc aaaagcgacg caaagggcaa 120

aatcggaaaa agtgttttat ttatggccgc cgttagtagt tcgtcggaga ccggagactg 180

cggcgttacg ggaaagagag atgagatcat gttgttcgga gttagagtcg tggttgatcc 240

gatgagaaag tgtgtgagtt tgaacaatct ctctgattat gaaaagtctt ctccggatga 300

tgagatccct aagatagtca ccgccggang ctggagatgg gtgaanatna naacnanacg 360

ggatgcgacg gtgatttgtc gctnacggtt acacctccgc caatgacgcn gtcanatttc 420

gncgtcnccn ggcnggaagg aaaccnnggg gttnccatgg acttagaacg aaccataaca 480

anggtccttg agtgggtttg ccccnaac 508

<210> 7120
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-B12

<400> 7120

tcccgggtcg acacacgcgt ccggttnttt ttgttttgta aatttggcaa aaactccctc 60

caaaaaaaaa cttagttgac tgagaaaact aagcaaaaag atctccgatc ggaatcttcn 120

tattcgccat ggatgctctt tctcaggcga tcagttccgg gatctccgtt ccttacaaga 180

acaattcttc ttctctcgtt ccttctcacg gactcacctc cttaatcctc cggaaatcga 240

gatctccggt gaatccctca tcacgatctc gcgtctcggt gcgagcttcg gagattcaac 300

acagcaaaac ctcagcttca tcgatcgatc tcancgatcc agattggaaa ttacantatg 360

agaaagattt cgagcaacga ttcagcatac ctcagaanac tgatgtctta cctgatgctg 420

aaagccattc gtncancgtt ntgtcttaag nagaggtccc cga 463

<210> 7121
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-C2

<400> 7121

aacgtctgcc tgncctaccg gtccggaaat cccgggtcga cccacgcgtc cgcccangcg 60

tccgaagcaa tccaaccgaa ccgactcaga gcttttgagt cttctaaatc tctatcgaat 120

ttttctaggg ttagggctcc tgatcgattt cgcgagctct gcgattattt taagtattag 180

gatccgaaat tagaaatggg tggagaggga gattcaagtc agccgcagag tggtgaagga 240

gaagctgtgg ctgtgaacat caggtgctct aatggcacga aatttagtgt gaagacgagt 300

ctcgattcaa cggtggagtc tttcaaagag ttggtggctc agagcagcga tgttccagct 360

aatcagcagc gcttgattta caagggtcgt atcctcaagg acgattaaaa ctctcctcaa 420

gctaaggttt gcaaggctga ttacaccatt catatggtta naaggctctg caaccttcct 480

caacaccact cctgctcccg gccgcaaa 508

<210> 7122
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-D10

<400> 7122

taccnttccg gaaaccccgg gtcgacacac gcgtccggcg caagcaatgg tggatgcagc 60

tataaaggct gcatcatctg tgaaggaagg ggaanatntg aacacaatga tccaagaagc 120

cttagagttg gttggcaaaa atcagctatt acgcagctct atggtcaaac atcacgagca 180

tgtaaatggc agtatagagc atcatcacaa cccatctccn tcaaatggat nagagcctgt 240

ggcnaacaac gatttaaact cacaagatgg ttcagagaaa aacgctcaaa tgccttcana 300

gcttatcanc tcctgtgttg ccacttggcn catgattcag atgtgcacgg agagacagta 360

nctccagctg atgtcgcaca agcttaannc acgcagcant cacaagcttn cagccacgat 420

tcccacangn anctanccga tttacagaga aantccaaaa ccttcatggg gacggnttaa 480

agactcaaaa caangtcc 498

<210> 7123
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-D3

<400> 7123

tgcctggcga ctagcggtcc gatnatcccg ggtggcccca cgcgtccgat aaactctctt 60

cttcttcttc ctctcaagta tcgaaaccga aacagagaaa catcaccacc aatgggatgt 120

tttatgggtt gtttcggtct ctcttccaac aaaaaacgca gaaattccat taggaagatc 180

cttcctcgag atcaaagaat ctgtagctat gagccgctgc tttcttcaga tccgacagat 240

ttcagtactg tttcagataa ccctgaaaag atctcaaatt cgaacctcnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnntttga 360

cttgaatgta caaacctatg ancctattgt ancttcanga tatgagaatg cttngcagtg 420

atgatgnaag aggggaaagg gaggaaggag ccaggggatc ttcggntata gatagngaaa 480

ccagaggga 489

<210> 7124
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-099-Q1-E1-D6

<400> 7124

ttnccggcca cgtacggtcc gangatcccg ggtngaccca cgcgtccgcg gacgcgtggg 60

cggacgcgtg ggctttctct ctccatgaga actctaatct ctcaccggca atgtgtgacg 120

tcaccgtttc ttatctccgc cgcatctcca ccgtttcctg gccggtgctt taagttatcc 180

tcctttactc ctccacgtca taggcgtttt tcttctctct cgatcagaaa catttcgcat 240

gaatccgccg atcagacttc ttcttctagg ccgcgaactc tttatcctgg tggttacaag 300

cgtcccgaac tcgccgttcc cggtttactt ctccggctag angccgacga ggttatgagc 360

gggaatcgtg aagagactct tgatttggtc gaccgtgctt tagctaaatc ggttcaanat 420

cgtcgtgatt gaanggcgga accaccgctg gtaagctcta cgaagcggcn tgtttgctna 480

aaatcacgtt gtcanaaggc 500

<210> 7125
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-G12

<400> 7125

ccgtagcggt ccggaaattc ccgggtcgnc ccacgcgtcc gtacaacttg gccaatcagg 60

ctattgacag agcagctgga gtggatggct cagacggtta cttacactct catcaaacat 120

cgcttgggag atcttttcta ccgcttagtg tttcagaant ttgaagatcc agctgaggga 180

gaagatacac ttgtagccaa attcaagaaa ctgtaataat gatctgactt ctggagaacg 240

cgccttggaa gatggnactc gagaagcaag cagttttcag aaatcggaag tattcgagca 300

tcgagcatca tcacagtggg gtaatgatga gtccatgaat ccaggttttg agcccgaaag 360

aaataagtgg ttgttgtgat atatgttctc gcttcctctc ttcatgattt catttatttg 420

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ctcacaa 487

<210> 7126
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-A2

<400> 7126

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tttaagagct aagagccaag aagcttggtt tgggaactgc atatattcat ggtttgaagc 120

atgctacggg tgatttcgtc gtgatcatgg atgctgatct ttcacatcat ccaaaatact 180

taccaagttt catcaagaaa caactagaga caaatgcaag tatagtaact ggtacacgat 240

atgtaaaagg tggtggtgta cacgggtgga atcttatgcg gaaactcact agtagaggag 300

caaatgtgct agctcaaaca cttttatggc ctggtgtatc tgatttaaca ggatcattcc 360

ggctatacaa gaaatcggcg cttgaagacc tgattagctc atgtgtgagt aaanggtatg 420

tctttcaaat gggaaatgat tgttcgtgca accagaaaag gataccatat tnga 474

<210> 7127
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-A5

<400> 7127

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aatcgcattt ctagggtttc tttctctacg attcaataga ttcggacgaa ttgggggatt 120

ctgaccagag agaagctatg gaggaaaacg aagaggaaga agaattgcgg ccaacggcgc 180

tatacacggt cggtggttca gacgaattta cctttgtttc tcccgatggg ctctccggtc 240

aatacacggg ccctgatcac gacggcgtan ttcttcagac tgaaaatccg gcgccgacta 300

actgtcttgc ttactacttc gaggttcata tcatgaatgc tggtgaaaaa ggagagatcg 360

cgattggttt ctccaaggaa cacatctata ancaaangat atactgtcag aagctgtgcc 420

tacattggta acagtggact catatgctct caaaatggag atggt 465

<210> 7128
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-A6

<400> 7128

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gcgatgttca tcctcagagt tcattccgtt gactccgaga gaccaatctc cgttgaagaa 120

gaagaatcag gtttcactta cgcatcgaaa agagctcagc ctcctcttaa actcatacaa 180

ccatctctca aactcaccga ccgcaaaggc ttgatccatc tctatcgcaa atcttcacat 240

agctctctgc ctaaccctag ctcccgatcc accactctct tcatcgtcgc tgttcccaat 300

tatctctcct ctctcgattt tatccgtttc tgtgattccc gcatctccca agtctccgac 360

atcctcttca tcaggaacga tggaatggaa gatagatata 400

<210> 7129
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-A9

<400> 7129

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aacgatttag atttaatcgg gaaaaagttc agtcagtgac actaatgttc gaatcgaaca 120

tggttcttca aacactatct tcttcttctc ctccaattca ccgtctctat cttcaccatt 180

ctcagattct cccttcttct gggtcaccca gcaagatttc tcttcaggca gatacatgga 240

aggactttgg ccattcgatc ttttcatgaa atttctgcna gaggtttacc ggntttgaac 300

aaagcttcct tgaagaagct accaatcaaa ggatctacct ttctgctggg gcaaancttg 360

ttgatggttt ctgctcaccc acagttggna gcaa 394

<210> 7130
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-B4

<400> 7130

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tccncttctc tcattgaaat cgaacgagga tggggaagaa gaaatcgaag gtaacggagc 120

cggaatctca aaacgatgaa tctcagacaa tcttctccac tctcttctcc ggcgaggttg 180

aaagctctgg ctttgcgagt ctcttctccg ctgataaccc tttccggcga aaacaacctc 240

aagaaatcaa agagtcgtca attcctnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnngcttac agattccggc gacgaagaaa gagacgattt cggaggctgt agaagaaagt 420

gggttggttt caaagaggaa caagaggaaa gagagatgag attgagaacg 470

<210> 7131
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-B8

<400> 7131

gcttgtcatc aaatcgattc ctcgagtgag gaaacatttc tcttttcgtg gatcttacga 60

gaccgagaag agagtaagat atgtccggcg catcgtctga ggatagcagt attttcgctc 120

gctgtgaaga cgtagactgt aacaagaaaa tacctgtaga gcttgtaagg atgcacattt 180

gttatgctat gttccatagg actctggcag ctcgaggttt tgggacacaa actcaggcta 240

agaagaaacc tacaaacaag aagaagtcaa caacatctct taccgatttt gctgtcttca 300

tgaatcattt ccgtaaatct tttagaacag attataatgg tgcattggtg aaagaaggtt 360

caaagatcgg ttgggaaatg tggaagtcta tgactgagga tga 403

<210> 7132
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-C10

<400> 7132

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ccangcttct caaagcttta gcctcgagag caaaattctc tcaagcttta gccatgtctg 120

cctctgcttc ttccctctcn gctttcaggc ctaaatcgct tcctctctgc gtctccagac 180

ncgcttccgt ctccgtctta cctccttcnc tctccttcaa acttcantcc gaccacctcg 240

tctctatctt cgcttcntcc gccctcaaat gctcatcccc cgccgagtac ccgtcgcgtt 300

tcgttagaaa cgttgctgta tcttcggatt ttgaggtgga ggaagatgat angttcgctg 360

acngngacga ttcagcgcct gtggagcgtn antccttctc tcctggagct taagctcttt 420

gttggggacc nttccgt 437

<210> 7133
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-C4

<400> 7133

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aaaagagaag aagaagattg cttcaatgag ctgggtgtag tgtcaaattg tgatgctact 120

gaatctgtaa gcacggaaat attggaatct atgaacattg gttgtagtca aggtcttaaa 180

gattctggaa acataagacc acagaacaac attctaggat gttgtagtaa tgctgtagag 240

aattttaata gagtcggaga aactgaaagg agtgatgatc ttgaacatct cacactgaag 300

gagcggcgca aaatgcttct tgaaagggtt gctataaggt tgcctgaatc taacgtagag 360

gataatactg aagattgcga tgaaactgaa ctttataaaa taaaagcgga gatttcatgc 420

gaaaatggga tagcttcgtc ttctggagtc caattcagcg gctttctana g 471

<210> 7134
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-C7

<400> 7134

accggtcana aattcccggg ncgacccacg cgtccnccat tttcttcctc tctgttccgg 60

cgacgcttct cctcgccgtt ccaatcctct ccggcataga aactcggtgt ctccttcatc 120

ttcctttccc ttctgttcga cttcttcctt ttcttctttc tacattccta tggcgggagg 180

agatggtcag gtgtctcatt cgcttgagaa gcagttcgag agtttccgtg ttcaattgga 240

agaatctgca gctttgagag agcagattcg tgctgtggtt atggagattg agtctgctac 300

taggcttatt caagctaatc ttcttctcgt tcatcaatcg cgtcctattc ctgaggttat 360

cganaaagct aaggaaaaaa tcgttgattt gaagcagtat tatggtcggc ttgctgaaat 420

tcttgaggaa gtgtcctgg 439

<210> 7135
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-C9

<400> 7135

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cccggctgcc atcaaagccg aagacacggg agatacagga aatgtgggag tgacatgtga 120

cgcaaggcag cttcagcctt gccttgccgc gattacggga ggaggacaac cctcaggtgc 180

atgttgtgca aagcttacag agcaacagtc atgcctctgt ggtttcgcta agaaccctgc 240

gttcgcacag tacattagct ctccaaacgc tcgcaaagtg ctccttgctt gcaatgttgc 300

ttatcccact tgttgaaact tatctagaga ttttataaat aaataaacga aaggaaataa 360

attacattat atcaaacgtt atgatacaat tcaaccgttt gggttaatgt a 411

<210> 7136
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-D12

<400> 7136

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tcctcagaag atgagcaacg acaaggatag cttcaacgtc tccgatctta ctgctgctct 120

taaggacgag gatcgagctg gccttgtcaa tgctctaaag aacaagctgc agaatctggc 180

tggtcagcgt tctgatgtgc tcgagaatct gactcccaat gtgagaaanc gcgttgatgc 240

cttgagggat atacagagcc aacatgatga actagaggca aaattccgtg aggagagagc 300

tattcttgaa gccaagtatc aaacgctgta tcagccnttg tatgtcaagc gttatgagat 360

tgtgaatggc actactgaag ttgaactggg ctccagagga tgatancaac ggtnggaccn 420

aaggagaaga ngnaaaactg tngaagcaga aaag 454

<210> 7137
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-D6

<400> 7137

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agaaacctac ctttctatag agctaaaact ccagaacttg ttccagaaag cgctgaaccg 120

atgagatcag gagtcccaaa gaccgtaaaa gcaactcaga aattgttgag cttatggaac 180

agaatcaaag actacctagc tgatccaaga atggggccta cattgcttct aggagcgttg 240

ttatctgcag gcaatgtttg gtggatgaga agccgatcat caacacaaca acctgctcag 300

acaaatcagc catcaccaaa tcaaccaagc cgataacgtn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntt 406

<210> 7138
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-D8

<400> 7138

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cggaagctat gggaaggaac taaacaactt agaaatctca agtggatgga tttgagttat 180

tctagttatc tgaaagagct tcccaatctt tcaactgcaa ctaatctcga agaattaaag 240

cttagaaatt gctcaagttt agtggagctc ccctcctcta ttgaaaaact cacgagtctc 300

caaatattaa gatcttgaaa attgttcgag tcttgagaag ctccccgcta tcgagaatgc 360

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<210> 7139

<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-E1

<400> 7139

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aagttctcca ttttcgtagc ttctttaagc tttttcagta tcatagagac actttttttt 120

ttttgattag aaatggcttt agctgttacn tcttcttcaa ctgcaatctc tggatcgagt 180

ttctctcgtt ctggagcttc ttctgaatct aaagctcttc aaatatgttc gattaggtta 240

tctgatcgaa cccatttgtc tcagagacgt tactctatga aacctttaaa cgctgagtca 300

cattcacgaa gcgaatcttg ggttactcgt gcttcaactc taattgctcc tgaagttgaa 360

gagaaaggag gagaagttga agactttgag caacttgcta aaaagcttga agatgcttct 420

ccacttgana tcatggataa agctcttga 449

<210> 7140
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-A11

<400> 7140

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ccgaaaaaaa gtcaaaaaag tttcgaaaat ccaaaaaaag ataatggcgc aggttcaact 120

tcagggtcag actccgaatg gttcgaccgc ggcggtcact tctgctccgg cgacgtcagg 180

tggagcaacg gcgacccagt ttggtaacac gtcgctttat gtgggggatc tcgatttcaa 240

tgtgacggac tcgcagcttt tcgatgcgtt tggccaaatg ggtactgtgg tcaccgttcg 300

tgtctgtagg gatttggtca ctcgccgatc tcttggctat ggatacgtta acttcaccaa 360

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tattagggtt atgtantctc atcgtgattc t 451

<210> 7141

<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-E9

<400> 7141

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ccgtggattc aaatcgatat tgagaagatg gtagatgcga tcacggagtt cgttgtggga 180

aagatcggca actatctcat tgaagaagca tcaatgttta tggcagtcaa agaggatcta 240

gaagagctga agacggagtt gacgtgcatc catggttatc tcaaggacgt tgaagcgcga 300

gaaagagaag atgaggtctc aaaagagtgg tcaaaactgg ttttagattt cgcttatgac 360

gtcgaagatg ttttggacac ttatcacttg aaactcgaaa gaaangtcac aaaggcgang 420

cttgaggaga ttgaccaaca ngatangcaa ggaanattgg atgcctt 467

<210> 7142
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-F10

<400> 7142

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tattatccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gattctgagt 120

ttagggtttt gtttgtgttg cttcgaattg agcagctatg gcttccgtgt tgctacttct 180

tctggtgttc gtgtttgatc tcattgcttt tggtcttgct gttgctgcag agcaacgang 240

aaccacctgg canatttcna gagaatcaag agatttgagc tactgtgtgt atgacaagga 300

catagcaacg ggtctcggag tcggttcttt cttggtctta ttagcgagtc agctcttaat 360

aatggtggcg aaccgatgtt tatgcngtgg aanagcattg acaccaantt ggttcaaaat 420

cttggggcan tttttccctt caacaanaac tggggttttc ctcctcaa 468

<210> 7143

<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-F2

<400> 7143

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ttgctacttc ttctggtgtt cgtgtttgat ctcattgctt ttggtcttgc tgttgctgca 180

gagcaacgaa gaaccacctg gcaaatttct agagaatcaa gagatttgag ctactgtgtg 240

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cagctcttaa taatggtggc gagccgatgt ttatgctgtg gaagagcatt gacaccaagt 360

ggttcaagat cttgggcaat ttttctcttc atcaacaact ggggttttcc tcctcataac 420

acaagtgtgt ttacntgctg gctctgtncg aaacgcttaa caatacaaag taccg 475

<210> 7144
<211> 120
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-095-Q1-E1-F4

<400> 7144

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gtgtcctctc ttgtttttta ctatcttcaa gagttggtac taaaaaaaaa aaaaaaaagg 120

<210> 7145
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G1

<400> 7145

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caaagacaaa gggtttcatg ggtatcctcc cgctggatac ccacccccctg gggcttatcc 120

acccgctgga tacccacaac aaggttaccc tccaccaccc ggtgcttacc cgcctgcagg 180

ttatcctccg ggtgcctacc cacctgctcc tggtggttat cctcccgccc ctggttatgg 240

tggttatcct ccaactcctg gttatggagg ttatcctcct gcacctggtc atggtggtta 300

ccctcctgct ggctatcctg ctcatcactc aaggacacgc angaagaatt ggggggtatg 360

attgcaagtg ctgcaactgc ctaanggagc tcaacacgtn gcctcanaac tcnaaaggtc 420

cctaanggca atgctgcaaa atgggncacc ggtttttggc caatgggcaa tgggttaagg 480

gcnaagg 487

<210> 7146
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G10

<400> 7146

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caattcgcga aatgatacgc gatgaagtta accaatctat cattatcagc ggcgagagtg 180

gagcagggaa aactgagact gctaaaatag ctatgcaata cttggctgct cttggaggcg 240

gaagcgggat cgaatatgag atacttaaga ctaatcccat tttggaagca tttggaaatg 300

caaaaacatt gagaaatgat aattctagtc gttttgggaa gctaatagag attcatttta 360

agtgaaagtg gaaagatatc gggtgctcaa attcaaacct ttttactaga aaagtctaga 420

gtggtccaat gtgctgaang ggaaaggtca tatcatattt tt 462

<210> 7147
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G11

<400> 7147

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caccggatca ttcgctccac cgccgtggtt ggccggagct ctatcattcc tgccgccgct 120

aaccggtcat atcctattat attccggaat ggagttgatt tgggggcnag attcttctgt 180

gagaacactg cgtctgccca gaatttcgat attgatctct ctaacgaaga gaataataga 240

agaacgatca acagattgtt gtataggagc aagcaaagag ggtttttgga acttgatctt 300

gttttgggga attgggttga ggagaatgtt aattccatgg gacgaaaatg gtgttaaatc 360

cctaattcat gtcctcaatt tggaaaaacc tgatcctgga aatggg 406

<210> 7148
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G4

<400> 7148

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tcgacgccca actgtcctgg cttcatgcga attagctccg gacctcaatt tcgtctcaga 180

caaaactctt ctcttaaatt ctcgagacca tttcaaagcg gaacaacttg tgttaaatct 240

cggagaagct ttgtggttaa agcttcagct tctggtgatg cttcaacaga atcaatcgcg 300

ccgcttcagt tgaagtctcc tgtgggacag tttctgtcac agatattagt gagccatcct 360

catcttgttc cagcaagctg ttgaacagca gcttgaacaa gctccaaatt gatcganacg 420

ctgaagaaca gagtaaagat gcatcctccg tccntgggaa caaacaatgg gtcccca 477

<210> 7149
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G5

<400> 7149

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acagaaatca gccatggctc gtgccaaaaa cttggagaag gctaaggctg caggaaaagg 120

tagccaattg gaagctaaca agaaagctat gtcgattcag tgcaaggttt gtatgcaaac 180

attcatctgc acgacatcgg aagtgaaatg caagggagca acgccgangg cgaagcatcc 240

cgaaagcccg atgttggcgc ttgtttccct caactcaaag aaagtgatga aagctattat 300

ctcaactata aaggattcca atgtataacc gtatgggttc tcatctttcc caagtttggt 360

aacaaaatcc cnaacaaatt ttaagggttc caattccccc caacttgttt caacaataaa 420

tccccttgca an 432

<210> 7150
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-G6

<400> 7150

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gaagatgatg ataaagaaac caaataccga ttagatccaa agtatgcaaa tgtgaagaca 120

cctgaacgtc atgtgaggac tcgactttac ttcacatctg aatcgcatat tcattcgctc 180

atgaacgtcc ttcgatactg taaccttgat gaatctctcc taggagaaga aagcctcatt 240

tgccaaaacg ccttagaacg tctctgtnaa accaaggnac tcgattacat gagttacatt 300

gtcctaaagg tctttgagaa caccgaggta tcacttnaaa gacccgaaaa gatccccatt 360

gnacttacat ttaaccgtgg gagctgaatt gtctccccta aaggganaat gacgaccaag 420

naggagacan tgttaatggg ggga 444

<210> 7151
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-H11

<400> 7151

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nnnnngtgtc cattttatta ggcatgttgg tgatctttgt ttcaccaatg gtgttcgcag 120

atgatttgac accaatccca gagggcaaac cccaagtggt gcagtggttc aatacccacg 180

ttggtccatt ggctcaacgt aaaggcttag atcctgctct cgtaactgct gaggctgctc 240

cacgtatcat caacgtgaat ccaaagggag gtgaattcaa aacactaaca gacgcaataa 300

agagcgttcc cgcagggaac acaaagcggg tgatcataaa gatggctcat ggtgaagtac 360

agagagaang tcactatcga caggaacaaa cccttcatta caattgn 407

<210> 7152
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-H12

<400> 7152

acgcgtccgg ccagcaggct atgtaacatg gatatcatat cacaagtgca acaaatcatt 60

tgctttgcgt ttcatgatag taagcttctc atggagacat gtcaagaagc tagaaatctc 120

cggaagattg ttaccctctt ctacctggat tgagtgattc agtgtttccc acttcaaaaa 180

actcttcttt gtcttcttag tgttttgttc atcttcctct tcggagaaag acaagttcca 240

ttgtaattaa ggaatcgtcg tttacacatg cacaacctat tctttggtct ttcatttttt 300

taattgcttt ananggggaat ctcctcgatc atttttaata cggtttgtgg ctaataagtt 360

tccgttaaaa aagaaagcgg gcgc 384

<210> 7153
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-H6

<400> 7153

acgcgtccga aaagaagcaa aatcttgagt agaaacaaat tttcctgtat ctctctctct 60

tgtaatctcc gacgaagaaa cacagtttta tggcaaccac cagatcgaag agctttcagt 120

tgatcaccag cttaaggaaa cacctagtta acacacgcgc ttccacacgc gccaccgcct 180

ctgctctctt cccttcacgt cggagtggac attcctcggc gtatgacaag aacgtggagg 240

atgaattgca tgcaagtgca gtacctgacg aagttataaa gccaagattn ctgataaata 300

tgggctctca nccccaaaac aggagtcctc cggtccctcc taagaactga acaaaagcgg 360

cancggcnga agggtgnaac aacaaggaca caagnattgc tggaaggaaa accggccngg 420

tttggccaaa naagttcccc aanggattcg ggnaaagact caccaaaggt tgggtccccc 480

nttcc 485

<210> 7154
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-095-Q1-E1-H7

<400> 7154

acgcgtccgg ggttatgtat aattacgttt cagataatct atcttttggg atgttttggt 60

tatgaatata catacatata catatagtaa tgcgtggttt ccatataaga gtgaaggcat 120

ctatatgttt ttttttttt attaacctac gtagctgtct tttgtggtct gtatcttgtg 180

gttttgcaaa aacctataat aaaattagag ctgaaatgtt accatttcta aaaaaaaaaa 240

aaaagg 246

<210> 7155
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-E3

<400> 7155

acgcgtccgc tcncttgcag gtgcgcttaa ntggggtagc tacttttatt ggttcaattg 60

gcttancggt ggctgctgct gtgctatgtg attcttctga ctcgatattt cactggtcac 120

actaaagaca ataatggagg tcctcaattc gttaaaggca agacaaaagt cggtcatgtt 180

attgatgatg tggtcaaagt ccttaccgta gcggttacaa ttgtcgtagt ggcattgcct 240

ganggtcttc ctttggctgt tactttancc cttgcctatt caatgaggaa aatgatggca 300

nataaggctt tggtgcngag gctatctgct tgcgangaca atgggctctg ccaccactat 360

ttgcanccga taaaactggn acacnaactc cgaatcagat gactgtgggt tgnatcntan 420

gctggggggn aaagaaaaca gttctgaacn aaatngcaaa caaataacac c 471

<210> 7156
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-H8

<400> 7156

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tcnnacaacg gcncacnntc ctacaacaca caggacgccc ctcgtattct ccgggaagaa 120

acgaaacgat cgcgatgacn angacggtga cgccttggtt gcgaagaaat cagcactggc 180

ggtgtgtgat gccgaccctg cagcggccat agcgaatatc cgacatgagt ttggggagca 240

cgggggagta aacatgtcca tcgaagcctc cgccaccttc accgtcatgg naccggatac 300

catgatgcgg atgttcaccg gagaactggg accggacaac gacttctacg tatacagccg 360

acacttcaac cccaccgtgc tcaacctcaa gccgccaaat ggctgctctc gaagggaacc 420

aagctgccta ctgtacctcc tanccgggnt gttcggcgat aatcgtcaag ttgatgctgc 480

aactgtggca ancaagccgg agggacacct tngtttg 517

<210> 7157
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-B8

<400> 7157

taaggtccga natcccgggt cgncccacgc gtccgganna cccagatcgc atgatgctta 60

ccttctcggt gttcccttca ccaaaggttt ctgatactgt ggttgagcct tacaacgcta 120

ctctgtctgt ccatcagctt gttgngaatg ctgatgagtg catggttctt gataatgagg 180

ccttgtacga natttgcttc aggactctca anctcantac ccccagcttt ggtgatttga 240

accacttgat ttctgctact atgtctggtg tgacttgctg tctgaggttc cctggtcaac 300

tcaactctga cctccgaaag cttgctgtga atctcatccc attccccccgt cttcacttct 360

tcatggtggg ttttgctcct ctcacctcaa naggttctca tcagtagcgt tccctcacan 420

tccctganct caaccagcaa atgtgggaat ccaataaca 459

<210> 7158
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-C1

<400> 7158

ntaccggccc ggaattcccg gancgaccca cgcgtccgcg aagctggaag gagattcttt 60

acgtagtaga taggccacag gtggtttcaa tcttccccaa caaccagacg aaatcaaaca 120

taaatctgta acagtcgaag aaactctcac tctttaattg ntcaatggcg tctcttcaaa 180

tcagtggctc cgttaaattc gngccgttcg ttggattcaa ccggatncgc catttccgtc 240

cgatcgccag tctcggattt cctcgttttc gacggagatt cagtatcgga cggtcattgt 300

tgcttcgtcg ttcttcttcc ttctccggtg actctcgtga gtctgatgaa nagagattta 360

tcacagacgc agagagagat ggttctggct ccgttccttg ggtttcannn cactcctccc 420

gggtgnttaa caaa 434

<210> 7159
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-C12

<400> 7159

ttacgccgnc cgttaccggg ccaaaaattc ccggaacgac ccacgcgncc gcggacgcgt 60

gngcggacgc gtgggaaaaa gtttggatct tttgttcatc tatttttttct ttgagttttt 120

ttttctgtgt tcatcctctg ttctattttt ttttttcntcn cattcttggg ttgatttttg 180

acttctgttt gggttgattt agtctgcang gtttaagcag aggttggttt gtggattctt 240

cgatttcttc ttcagattta gtctacaatg aagtgagaat ttcnaaagat anacaangaa 300

aaacttgaga ctttagcaag atggagactg tgagaccaat ggttgttgct cctaagggta 360

acaaactcag acgcaagttt gctaaagttc ttaacattca taaagctaac gggtgttgct 420

ccagaaggng aaaatga 437

<210> 7160
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-C2

<400> 7160

actgtttccc tggctntacc gggcccggaa attcccggaa cgacccacgc gtccgggtgg 60

aggaggtttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnngt ttggaaaagg tggagggatc nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa taggcaaagg 240

tggaggagtt ggcggcggta tcggtaaagg tggaggtatc ggtggcgaaa tcgangcaac 300

aanaggaacc agagaccaat gaggcaactg agacgaaatc anatgacttg gctggtggtc 360

caaacattga agccgaaccc gtttaagcaa caagaagaga acancaaagg gccaactgtt 420

aatttcactt ccgaagtttc ccccttgngt ttaaccnctt aagttaaaac cagaacaacc 480

gttttacncc antatcaana attnntttaa attaagcaat tttttgnag 529

<210> 7161
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-C5

<400> 7161

gcctggcccg taacggtccg gaaattcccg ggtcgnccca cgcgtccgca agttaagtac 60

gacggtttct gaaataaaga aaacatttct tcaatcttgt gcttacggtg atatccgtgg 120

attcaaatcg atattgagaa gatggtagat gcgatcacgg ngttcgttgt gggaaagatc 180

ggcaactatc tcattgaaga agcatcaatg tttatggcag tcaaagagga tctagaagag 240

ctgaagacgg agttgacgtg catccatggt tatctcaagg acgttgaagc gcgagaaaga 300

gaagatgagg tctcaaaaga gtggtcaaaa ctggttttag atttcgctta tgacgtcgaa 360

gatgttttgg gacacttatc acttgaaact cgaagaaagg tcacaaaggc gaagcttgag 420

gagattgacc aacaaaataa gcaagaagat ggatgcgtac aacatanttg atgatatcaa 480

gaantctcaa agaagaagaa ttttnggtat ca 512

<210> 7162
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-C6

<400> 7162

acgcgtccgc ccacgcgtcc gagccacttt tttttctttt gtaattttcc tttctttttt 60

ttttcttttg aattttcggg aagcagcatt tccactggag ctgcaaaatc ttcctatcaa 120

aattanagat cgatccaagt tttagattcg agaattattt tctccaaatt agatttatat 180

atcaaaagga atcgaaaata gacagcaatt tttgttttgt cggatcgtat tgaatcagct 240

gtgaatttta gcgccaattt aaccactgaa tcgtttgatt agaagctaag atttggtctt 300

acgatcgatc taagtagggt tcttcttctt aagtgtgtgt tttgttaaaa ttagtaaaga 360

gagatggaga agaagaaagt cgcgacccgc tagtgtgcca tgggcaatcg agacctgttg 420

tgggatttgg tccaaaagcc aatcaatccc ggatgggttc ntcctcaa 468

<210> 7163
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-095-Q1-E1-C9

<400> 7163

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ggagaatggg gaagtagcta aattattttc cttacgggtt agtattaatt ctagtcaact 120

tgtaacagct actggcttct gttacttttct gtattaatat caccttccca tttcttttag 180

cagcatgtga acacagatat gtcatcacct gatggaggcc atgttaggga gagagaatcg 240

catcctgaac atgacaaacg tgctcagctg agcaatcaag ctgaagcagt tggtgttggg 300

agaatggaac agtctgattc aacaagtcca ttaccgaata atctgggcag tagaaaggag 360

tttaacgacc tctcctcaaa aagttgcaag ttttttgggc cgtttta 407

<210> 7164
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-D10

<400> 7164

ngtttacccg ccgttaccgg nccaaaattc ccggancgac ccacgcgtcc gtgtaaaacc 60

agagaatttt ctgcttgggc ctcctggaac tcctgaagag aaaaaacttt tccttgtaga 120

cctcggctta gcatccaaat ggcgagatac tgcaactgga ctacatgttg aatatgacca 180

gcgtcctgat gtttttagag gaacagtacg ttatgctagt gtacatgctc atcttggcag 240

aacttgcagt cggagggatg acctgggaat ctcttgctta cactcttgtt ttccttcttc 300

gaggccggct tccatggcaa gggtaccagg gagagaacaa aggtttcctt gtttgcaaga 360

agaagatggc cacttcccca aaaactcttt gctgcttctg tccccaacct tttcgtcaag 420

tttgtccgag taagtgggca atttgaagtt tggatgaagg anc 463

<210> 7165
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-D12

<400> 7165

aatttacccg ccttaccggg ccaaaattcc cggaacgacc cacgcgtccg cttctctctc 60

actctctcga agttcatcaa tggctcttca tccacacctt caagactcca agaatttcan 120

agacttttgc ggaatcgacg gccaagattt cgccggaatt aggatttaac cgctcagaga 180

atctccatga tnaatctcag catcctccat atattcctcc atttcatgtt gctggttttg 240

caccgggacc ggtggttcaa attgatggtt ctgatggggg taatggagct gactttgagt 300

ggaactatgg gtcttggtct tgaaccaaga cntgagagga taaaggaaca agatttcttg 360

ggnaaacaat tctcaagata tcttctattg atttttgca agctcgggtc tgtatcaaac 420

cgggattggg tctgtctcct gacaatgctc n 451

<210> 7166
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-D3

<400> 7166

acgcgtccga tcatctctct tcttcttctt cctctcaagt atcgaaaccg aaacagagaa 60

acatcaccac caatgggatg ttttatgggt tgtttcggtc tctcttccaa caaaaaacgc 120

agaaattcca ttaggaagat ccttcctcga gatcaaagaa tctgtagcta tgagccgctg 180

ctttcttcag atccgacaga tttcagtact gtttcagata accctgaaaa gatctcaaat 240

tcgaacctcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnntttga cttgaatgta caaacctatg aacctattgt accttcaaga 360

tatgagaatg cttgcagtga tgatgaaaga aggggaaaag gnggggaagaa caaagggatt 420

ttccgntata gnataagaaa accanagggt ttaagcngtt anatttgggt aaccctcaaa 480

acaaa 485

<210> 7167
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-D4

<400> 7167

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agcgtagttc tcggagggaa gtcaggcgtt ccaaacattc ggaccaacag ggaaattcaa 120

caacttggaa ggtactgcgt ggagcaattc aatcaacaag cacagaacga gcaaggaaac 180

ataggatcca ttgcgaaaac agacacggca atttcgaatc cattgcaatt tagccgagta 240

gtgtctgctc agaaacaggt cgtcgctgga ctcaaatact atctaaggat tgaagtcact 300

caacccaatg gctctaccag gatgtttgac tctgttgtgg ttattcaacc atggctccat 360

tctaagcagt tgctcggttt cactcctgtt gtcagtcctg tctactaact ttatttcttc 420

ctattccgac ttaaaatttc cataatatga tnaaagaaaa gactaaaang tgtntgatac 480

naagctantt aagaatgggg ttaaaagtt 509

<210> 7168
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-E12

<400> 7168

cttttacgcc ncccgtttac cgggccaana attcccggaa cgacccacgc gnccgtactt 60

agtctncaat gttggtgatg ctatttttat tagtgacttg aactcgcagg acaaggatcc 120

agtaaagtct atacatatca gcaattcaaa ccctatgtgc catgcatttc atccagatgc 180

taagggtggn catgatctac ttattgggct gaactctggg gatgtctaca ccgtatcact 240

aagacagcag ttgcaggatg ttggtaagaa gcttgttagt gctcagcatt ataacaaaga 300

tggttctgta aataacagcc gctgtaccag tatagcttgg gtgcctgnga ggtgatggat 360

cctttgttgc tgctcatgcc gatggaaatc tgtacgtata tgaancngaa taatanaang 420

tgcaactgga ttcctcaatt ttcccggccn aaa 453

<210> 7169
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-E2

<400> 7169

acgcgtccgc ccacgcgtcc gagccacttt tttttctttt gtaattttcc tttctttttt 60

ttttcttttg aattttcggg aagcagcatt tccactggag ctgcaaaatc ttccnatcaa 120

aattatagat cgatccaagt tttagattcg agaattattt tctccaaatt agatttatat 180

atcaaaagga atcgaaaata gacagcaatt tttgttttgt cggatcgtat tgaatcagct 240

gtgaatttta gcgccaattt aaccactgaa tcgtttgatt agaagctaag atttggtctt 300

acgatcgatc taagtagggt tcttcntctt aagtgtgtgt tttgttaaaa ttagtaaagg 360

agagatggag aagaagaaag tcgcgacccc gctatggggc aanggccatc cgaaacctgt 420

tggnggantt gtccaaaagt ccaaacaccc cggaggggtt ccttccnaaa aag 473

<210> 7170
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-B7

<400> 7170

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agttagggtt tatacagagc aaagagaagg agaaagcgaa accaaaaatc gacattaatg 120

gctgacgaag attacaacga cgtcgatgac ttgggatatg aggatgagcc agcagagcct 180

gagattgaag aaggagtaga ggaagatgtt gaaatgaagg agaatgatga tgtcaatggt 240

gagcctattg aagctgaaga taaagtcgaa acagaacctg tgcaacgtcc acgcaaaacg 300

tcaaagttta tgaccaagta tgagcgtgct cgtatcctcg gcactcgcgc tttgcagatt 360

agcatgaatg ctcctgtcat ggttgagcta gagggtgaga ctgatccact tgagattgcg 420

atgaaggagc ttaagcagcg gaagatacca ttcactatta aacgctancc aactgatggg 480

gaatttccaa gnatgggga 499

<210> 7171
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-F1

<400> 7171

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aatttatttc ttagcttttt aagttttata gcttatcctg tgaaagtttt atagtaagtt 120

gctgaaattg gtaattagtt gagaggcaat aacattgttg gttaggcgta ctgactaatt 180

tctagttttg ccagaaatga atgtcttctg gtttctggta ttcatcatgt gaattctgta 240

atcaattcga gtctctggac attttgttaa acaaaatcaa aacaagacat taattttgac 300

ctttggagac attaatcttt gggtttgttt tccaccggat gcagctttat gtacatgtgg 360

aaatctatgc atcaatacca tgagactcag aacagcatcg tggagcaagt ccgggggctc 420

attaacagat cgggcaaaag gcgaatcaac atctgaagct acaccgacaa agctacacg 479

<210> 7172
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-F10

<400> 7172

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gactggggag caatcatagg ttggtgtcta tgcttgttta gaccaagacc gagtcaaagg 180

tttcataagt ctctctgttc catatttccc aagagatcca aaactcaaac cttcagattt 240

tttcaaaatt tttggagatg gtttatacat cactcagttt cagaaacccg gaagagctga 300

ggctgcattt gccaagcatg attgtttatc ggtaatgaag aagttcttgc taataacaag 360

aacagactac ttagtggctc ctcctgacac agagatcata gatcatcttg agataccg 418

<210> 7173
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-F6

<400> 7173

acgcgtccgg ttttcatgta acatccatga ccaccgctgg gagtcgttgg ggtgtagtaa 60

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aaggaataca tcgaaggtgg gaaagtggat acaggataac atcaatggct gcaacagctg 180

atcaagcagc tcttatattg agtataccta aacgaaaaat aaccgatgaa acccaagaga 240

ctctccggac ttctgccttc ccaagtaccc atgtcaagga gaaatgggcg aaaaatctgt 300

acattgcatc aatatgctat ggtcggacag tttgctgatg aaacatggag tatactgttt 360

caacctctct cactctctct ctagggtttt agggacgatc tctctctaga agcct 415

<210> 7174
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-F8

<400> 7174

ggagctagtg agaagaatgc tcttcaggct ctcaaagcca gtgattggca ccttgaagca 60

gcgtttgatg tgttttacag ccagcctcaa ccaagaagca atgctgctga agtaagacgc 120

ttggaggagc tctacaatag atataaagac ccgtattctg atatgattct tgcggagggt 180

atctcggttc tgtgtaatga tcttgaggtg gaaccgcaag acatagtcac gttggttctt 240

tcgtggcata tgaatgctgc aacagcgtgt gagttttcca ggcaagaatt tatcagtgga 300

ttacaggcat taggtgtaga ttcaatcggg aagttgcagg aaaagctgcc atttatgcgt 360

tctgagctta aagatgaaca aaagttccat gagatataca actttgcttt tggggtgg 418

<210> 7175
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-G1

<400> 7175

atgaagttga tgaggttgtt gttgattaga gtttaaacca aataaaccct aaccaanaat 60

aaataagatc tgaggttttt tctcgagaag taagagagat ctggaatttg gcgacgatga 120

nttacggatg ggcgatatac gaaggcacgg tggtgatanc ttcactaagt ctcttangat 180

gggcaggttt atggtttctt aancggagat tatacaaaga gtatgaagag aaacnagctt 240

tggttcaaat cattttcagt gtcgtcttcg ctttctcttg taatctattg cagctcgttt 300

tgttcgagat catacctgtt ctctctagag aggcaaggat gataaactgg aaggtgggat 360

cnttttttgtt tgatacttct tctgggtttc aagttgccgt tattaccant gcgaatttga 420

<210> 7176
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-G12

<400> 7176

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tgggaagaaa cctacagtta tatttgttct tggtggtcca ggaagtggaa aaggtaccca 120

gtgtgcttat attgttgaac attatggtta cacacatctg agtgctggag atcttcttag 180

agctgagatt aaatcaggtt ctgaaaatgg aactatgatc cagaatatga ttaaagaggg 240

gaagattgta ccttctgagg ttactatcaa gcttctacag aaagctattc aggaaaacgg 300

gaatgacaag ttcctcattg atggtttccc tcgtaatgag gaaaaccgag cagcatttga 360

aaaagttact gagattgaac caaagtttgt cttaatcctt cgattgtcct gaaggaana 419

<210> 7177
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-G2

<400> 7177

acgttaccct gccntaccgg gccaaaattc ccgggncgac ccacgcgtcc gcggacgcgt 60

ccgcccacgc gtccggtttt tgtttacaga gcatattaca gatgcacgca tcgattcaca 120

caagactgtt tagcagtgaa gcaagttcag aaatcagaca cagatccttc ccttttcgaa 180

gtgaagtatc tcggaaacca cacttgtaac aacatcacat ccccgaagac gacgacgaac 240

ttctctgttt cattgacgaa cacgaacatc tttgaaggaa acagagtaca tgttacagag 300

caatcggaag acatgaaacc gaccaagtcc gaagaagtga tgataagcct tgaagatctg 360

gagaacaaga agaacatttt cagaacgttt tctttctcta accatgagat tgagaacggt 420

gtgtggaaaa gtaacctttt cttgggaaat ttcgtgggaa gatctttctc ctgcaacatc 480

aa 482

<210> 7178
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-G5

<400> 7178

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tgatcgtggg ttacgcagct aacgggaata cattagaggc tttagaatgc tttcgtcaga 120

tgagagaatt cggtgtcaga ccaaacaaga tcacgttcgt tggagttctc agtgcttgcg 180

tccatggagg tcttgtggag gaaggaaaaa catattttgc gatgatgaag tcagagttcg 240

agctagaacc gggattatcg cattacggat gcatagttga tctattgagc cgtgacgggc 300

agcttaagga ggcaaagaaa gttgttgagg agatgccgat gaagcctaac gtgatggttt 360

ggggttgttt gatgggaagg tgtgagaaag tttggggatt tgaagatggc tg 412

<210> 7179
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-G9

<400> 7179

gagcccatat tggatggcac ctgaggtgat aaagaattca aatggcagta accttgcggt 60

cgacatatgg agtcttggat gtactgtttt agaaatggct acaacgaaac ctccatggag 120

ccagtatgaa ggggttcctg ctatgttcaa gattggaaac agcaaggagc ttccagatat 180

ccctgatcat ttatctgaag aggggaagga ttttgtaaga aaatgcctac aaagaaaccc 240

cgcaaatcgt cctacagctg ctcagctttt ggatcatgct tttgtaagaa atgtgatgcc 300

gatggaaagg cctattgtga gtggcgagcc tgcagaaagc catgaatgta gcttcgagca 360

ccatgaagat nactgggaca ttggacatgc aaaggagtcc tccgtgccta aactncgga 419

<210> 7180
<211> 461
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-H12

<400> 7180

gccncgaaaa attcccaagg tccacccacg cgtccgccca cgcgtccgcg gacgcgtggg 60

cagaaaggtg taatgcttga ctgggtgaag aagctgcacc aagaagggaa actaaagcag 120

ttaatagaca aagatctaaa tgacaagttc gatagagtag aactcgaaga aatcgttcaa 180

gttgcgctac tctgcactca attcaatcca tctcatcgac cgaaaatgtc agaagttatg 240

aagatgcttg aaggtgacgg tttggctgag agatgggaag cgacgcagaa cggtactggt 300

gagcatcagc caccgccatt gccaccgggg atggtgagtt cttcgccgcg tgtgaggtat 360

tactcggatt atattcagga atcgtctctt gtagtagaag ccattgagct ctcgggtcct 420

cgatgattat gactcactgg tttttaaaaa atttcctttc c 461

<210> 7181
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-H3

<400> 7181

taaaactgtt tttttactac ttgtagtaaa accatgaagc gatcatcctt ggtcgattct 60

tgttcatatt cgagaatatt tcgcagtatt ttctgtctct tatccttttg tatcttcttc 120

ttgacaacga ccaatgctca ggtaatgcat agacggctct ggccttggcc attgtggcca 180

cggccgtatc cacagccgtg gccaatgaat ccaccaacac ctgacccatc accaaagcct 240

gtcgcaccac ctggcccatc atcaaaacct gtcgcaccac caggcccatc tccatgcccg 300

tcaacaacaa caaagcctca aaccaaagcc ccaacaagca acctagccaa tctccatgcc 360

atcaccacna cctaaagcct caaccaaaag gccaantgcc aacaaccaag catggcccan 420

cnancacctc ctaaacctca aa 442

<210> 7182
<211> 423
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-H4

<400> 7182

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cggattttct aatgagaaaa atgggtgttg ttgtatgatt acggctataa taccatgccc 120

caacccagat aaatacgtct tctacgactt cgttcatcca tccgagaaag cttacagaac 180

aatttctaaa aagcttgtcc aggatatcaa gaatggcctt gcctgattta ttatatatac 240

aatgctttat tttaatttta ataacagcca tcgttaataa tagaaatgag aagacaaaaa 300

tcatacatgg cgatctctct gtttttctta tgttaaagaa tgtataatcc agtttatgta 360

ttgttcactt tatataatcc cagaacaaca aaggagtttg tttacaagaa aaaaaaaaaa 420

agg 423

<210> 7183
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-H5

<400> 7183

tatcctctct ctcaaatcgc ggagtctccg aagtttctct gtcagacaaa atgcagtcgt 60

caacgtatgc ggttaaagga aacgctgcgt ttgcgtttca gagacggacc ttctcttctg 120

acagatcgac gacttctacc ggaattcgct tcgctggtta taagagctta gccaccaccg 180

ggccactcta ctgttctggt tctgaagcca tgggagcgac gcttgctcgt gctgataacg 240

ggatccagag cgttatgagt ttctcttctg tcaaagctcg atcggtcaga gctcaagcct 300

catctgatgg agatgaagaa gaagctatac ctctgagatc tgaagggaaa agctctggaa 360

cagttttgcc ttttgttggg gttgcttgtc cttggtgcta tactctttgg tt 412

<210> 7184
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-H7

<400> 7184

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taccaaactt ggggaagcca ttcctcccca gtttctttgt tgcattcagt tcaagatcta 120

ttaatgttat gatgatcctt cggtttccga gttttgcttg ttttgttgac cttaattttt 180

cttactgatt ctaaatttat aaattcctgg ttatatactt gcatgatttc tctaatgtcc 240

tcttggcttt ggacattttc gtttggaaaa gtttttaact ttgcaaaaaa aaaaaaaaag 300

g 301

<210> 7185
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-A1

<400> 7185

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ctaatttgct cctacaaatc tggaatcagc cggagcgaat ctcgaagctt atgatctcga 120

cttgctgaag aggctgggaa tggctggtaa agaggagact gatgtatctg cacaagggtc 180

tttaaccagg gaggccactg agatatggag gagtgagttg gaatctcgcc ggtttcaggt 240

agatagttta gaagctgaac ttgtggatgt caaggcttac cttgagtttg gctcagaaga 300

agatgccaga aaggagttag gagttctttc gggtanggtc agatcgactg caactatgtt 360

gccgttattt gagatcaaaa gctaagagtc ctgggcattc ctgatgattc tancaaatgt 420

gtca 424

<210> 7186
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-E8

<400> 7186

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ccaacgttgt atttctttcg ttttggttat cttcttcggt tccatcgaat tccaacaatt 120

cccatcgagg aatttggtta cgaatctttt gatctgacta aacctaggga gcttgatcac 180

aaggagactg aaaccaatgc taggaggagt ctcttcaggt tagtagaatg agtagaaaaa 240

gaacggaaaa tggcagtgaa tcaggaccag ccacttctca tgttcctgtg gatagattcg 300

ggtttctcaa gcaagaacat gccaattcgc ctgagcgttt tagcaagtct aaaactacat 360

catccactga tcatgacaga gaggagaaga aaggtgagaa aatgggagga agatg 415

<210> 7187
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-C7

<400> 7187

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tccttttcc gccggaagaa gaagcaaaaa aaaaagaaat cgaatctctc tttcaagtgt 120

tcgatttaaa gcaaaagtgt aattataatc ggaagcgaga tcttgagaaa tggtgggatg 180

acggcggagg gagatggcga ggggaggagg agaatggacc ggagggatcg ccggaaccgg 240

agttctctct ttcaaaagaa tcactctact tgtttgcttt ttcaacattc tcattgctct 300

ctttgttctt cgctttctct atgcttcttc tctccacatc tattccaata acgataatgg 360

ttcctacttt ttatttttcct tttcattttt gctctctgat tcatgataat tcgtatctga 420

agcagctctg ttggtttttt gttantcaat tgttaaagtt acaaaagctg aanaa 475

<210> 7188
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-C9

<400> 7188

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aagaagaagc aaaaaaaaaa gaaatcgaat ctctctttca agtgttcgat ttaaagcaaa 120

agtgtaatta taatcggaag cgaagatctt gagaaatggt gggatgacgg cggagggaga 180

tggcgagggg aggaggagaa tggaccggag ggatcnccgg aaccggagtt ctctctttca 240

aaagaatcac tctacttgtt tgctttttca acattctcat tgctctcttt gttcttcgct 300

ttctctatgc ttcttctctc cacatctatt ccaataacga taatgggttc ctacntttta 360

ntttcctttt cantttgct ctctgattca tganaattcg taatcngaaa gcagctctgt 420

tgggtttttt gttaagtcaa gttgntaaaa ntacacagct gatgaaga 468

<210> 7189
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-D1

<400> 7189

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ttagtgtttt tgtagtaacg ttatggatca taagggttga tgctagggtt ttcggaggac 120

gaggaatcga aaaatttgta actttcggtc agaattatat tgttacgtgg ggacaaagtc 180

atgtttctac actccattct ggcgaagaag ttgatcttta catggatcaa tcttcaggtg 240

gtgggttcga atccaaggac gcctacggat caggtctctt tgaaatgaga atcaaagtgc 300

cttcaggaaa tactggcggc atcgtcaccg ctttttactt gacgtcgaaa ggaggtggtc 360

acgacgagat tgacttcgag tttctaggga acaacaacgg aaaaccggta acgttacaga 420

caaatctgtt tccaaatgga gaaggaaaca gagaanaaga ggttttgctt gggtcaaac 479

<210> 7190
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-D11

<400> 7190

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atcatgcctc tgcctatatt cccgtcgcgg ttacagtgtt cgtcttcatc gtcttcgtcg 120

tcgtcgcgat cttcgttttt taggcctaag cttcgaatcg atccaagctt gaccttaatt 180

ccaggcttat ccaacgacgt cgggagactg attctctcct tcgtccctta ccctcacatc 240

tctcgtatca aatcaacctg taaatcatgg tacgctttcc tctcttccaa aaccctaatt 300

tcactccgcc atagcaagag acaacaagca acaccaacaa tctctcgcat ctcctttgta 360

tcttccctca agatccttcg atttcgcctc cttttctctt cgattccgtg actctct 417

<210> 7191
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-D12

<400> 7191

tgttcacgcc gcccggtacn gcgtccnana attcccgggt cgacccacgc gtccgcccac 60

gcgtccgctt accaagagaa atttactttt tttaaaatat acattcaaac ttaaaacatg 120

caacttcaaa taaagacact ttctaatgag aaatttacaa ttgaatgtga attaactgat 180

tcggtaagat caataaaaga aaaaatcgct tcgaaagatc ttaaagataa atacgaagct 240

gatgcggtta aactaatttt ttcgggaaaa attctcgaag attcaaaaac acttgaatct 300

tattcgataa aagaagatag ttttctcgtt gttgttaaac aaacaccgcc aaaagcatca 360

tcaagcagca gcaactacac cgagttcatc agctgcatca actaatgttn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

c 481

<210> 7192
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-D3

<400> 7192

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ttagtgtttt tgtagtaacg ttatggatca taagggttga tgctagggtt ttcggaggac 120

gaggaatcga aaaatttgta actttcggtc agaattatat tgttacgtgg ggacaaagtc 180

atgtttctac actccattct ggcgaagaag ttgatcttta catggatcaa tcttcaggtg 240

gtgggttcga atccaaggac gcctacggat caggtctctt tgaaatgaga atcaaagtgc 300

cttcaggaaa tactggcggc atcgtcaccg ctttttactt gacgtcgaaa ggaggtggtc 360

acgacgagat tgacttcgag tttctaggga acaacaacgg aaaaccggta acgttacaga 420

caaatctgtt tctaaatgga gaaggaaaca gaagaaagan aaggtttttg ctttggtcaa 480

an 482

<210> 7193
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-D8

<400> 7193

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gacatttcga gatcctcatc ttctgtctca agatctcctt accattttca gagataccta 120

ttgagacgtc tacagctaag ttcccgttca aacttagaaa tcaaagattc atcaaacact 180

aggttgttgt tccagcgctg agtcaaatac atggaagagg attttgtctg cagcaatggc 240

ggcggctgtt atagcctcga gctccggcgt tccggccatg gcagagctta acaggttcga 300

ggccgataca cgtggcgagt ttgggattgg ctcggctgct cagtacggtt ctgctgatct 360

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gaga 424

<210> 7194
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-D9

<400> 7194

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tttgcctact tcaaatgttt tgccgcgtga cagagacccc aaggagctgt gtcaaacgag 120

ttctccttcc aagcatttgg agaaagggtc ttctctacgt gagagctcca gcaacggaat 180

tgaaacacgg aatgggacag atgcacgtag tcatgagaat ccaaataaca gggaatcctc 240

tattgagcga tcaccgagca aaaaggagga tattgctctt aaagtggaag aagcaggtgt 300

gaatcacatc ccccccctcaa gttactggga tnaaattctg gagatagtct agtgaggaag 360

gttcanaaag tcgagggaac aagaattagg tggtaagaan gatctgccat tgacgggtca 420

tgg 423

<210> 7195
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E10

<400> 7195

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gggtttttag atcggacggt ggagataggg aagatcataa gctgggcacc acaagtagat 120

gtgttgaata gtcctgctat aggagcgttc gtgacacatt gtggatggaa ctcaattctc 180

gagagtcttt ggttcggtgt tccgatggcg gcgtggccta tctatgctga gcaacagttt 240

aacgcgtttc atatggtgga tgagcttggt ttagcggcgg aggtaaagaa ggagtaccgt 300

aagagatttt ctggtggang agccggagat tgtgacggct gatgagatag agaaganggg 360

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gga 423

<210> 7196
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E12

<400> 7196

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ctgtgccgat gactcagtcg ccgagctaaa acgtcgcatc tgccttctca ccaccgtttt 180

acctaaacgc caaaagcttc tttatcccaa gatcggaaac aaactctctg acgattctct 240

tttactctct tcgatctcct ttaagccctc cctcaagatg acaatgatcg gtactgttga 300

agatgatata ataagtagat caagctgaat ctcctgaaat tgttgatgat tttgagcttg 360

gtaaggaaga agctgttgat gttaaagata anagaagtta ataaaacaga agttgagaag 420

g 421

<210> 7197
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E3

<400> 7197

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tttctccgaa ccctagatcg tcagattctt ttgggtgtct tcgttgcttt cgtcgccgtt 180

ggtgctggtg ctgcttattt tcttacatcc tccaagaaac gcagagtgtg tttggatcca 240

gagaatttca aggagttcaa gcttgttaag agacatcagc ttagtcacaa tgtggccaag 300

ttcgtttttg aactcccaac ttctacttct gtgttgggtc ttcccattgg acaacacatc 360

agttgcaggg gaaaggatgg tcaaggagag gatgttatta agccatacac cccgactacg 420

ttagactctg acgttggacg tttcnaactt gtcattaaag atgtatccgc aanggacg 478

<210> 7198
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E5

<400> 7198

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tctctcctcg ccgttccttt tcgcttcttc aagtttcgtt gccaagagag attctaggta 120

ttgaagttat agaatggact ttgatgagta tgagtactta gagaagacag ttgaaaatcc 180

tcacctggag aatgaagttg gtaatggtgg tggtgatgag aaagtcaaat ctgaagggaa 240

agagaggagt aggagctcaa ggcatagggg tgacaagaag aaggagaggg atgaagatga 300

ggatggtcgg cgttctaagc ggtcgagatc gcatcaccgt tcacgttcta aggacagaga 360

gagggatagg catagaagta caaggagcac agagatagag atctngaaaa aggat 415

<210> 7199
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E6

<400> 7199

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tggccgccac tgcttcctcc gaagcttctg aaggaccagt gatgggtctc atcaacaagc 120

gtctccgtgc tctccgtaag aaatacaacc gaatcactca aatggaagaa tcgatttctc 180

aaggcaaaac cctaaacaag gagcaagaag aagtcctccg ctctaaacct gccgtcgtca 240

tcctaatcga cgagcttgaa aagatccgtg ctcctctctc cgccgctgtg acagaggaaa 300

tcagcctcgc tactcagctt aaccgtgctt catccgatca aaccaccgca tctgagcaaa 360

aggaagtcac tgatatcccg cangaagtta gcggcggcga tgatggcgcc aagtt 415

<210> 7200
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-E7

<400> 7200

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agagattagg agaatacaaa ttggtttggt ggttttcaag tatgctacca agtgggttga 180

aagaaaccca actccgtgag agcaacaaca accaaaaagt ccatcctcaa ccaatggaag 240

agtctatcaa tcagaatcct gaagctatgg aagcacttat ctccaatctc ttcggaaaca 300

tctcgtcttt gaaatctgct tatatcgagc ttcaaagtgc tcatactcct tacgatcccg 360

agaagattca ggcagcggac aaaagttgtc atttccngaa ctcaagaatc cttccgg 417

<210> 7201
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-C11

<400> 7201

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gtcgatctcc ggagctgtgc ttagtgggtt gggtccttcg ttcttgatca gtggaggcaa 120

gagaagcggc gttggcggtg gagctatgaa agttggccgg aagaatgtga tcattgcacc 180

tcagcgcaag aagtcatggg tctcagccgc cgtgaaaggt gctggtaact caccgaacga 240

ccccaaatgg cttgatgatg cctcagagaa agcttcgggg tacgtgaaag aagaagggaa 300

gtgaagtggg aaacgtgtct gctcaaaagg gacaagagct tcaaaatcag atggagagag 360

caaaagacta catttttggg gaaagctggt gaagcgatgg actcggtggc tgaaaatgca 420

<210> 7202
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H4

<400> 7202

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gaaatcacca tggcgccaaa gaaggataag gttccaccac cgtcatcaaa gccggccaaa 120

tctgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnng tgttgtttga tcaaggcact tatgacaagc ttctcactga agctcccaag 240

ttcaagctca tcactccatc aatcctctcc gaccgtatga ggattaatgg gtctcttgcg 300

aggagggcga ttagggagct aatggcaaaa ggtttgatca ggatggtctc tgcacactcg 360

agccagcaga tctacactcg tgccaccaac acctaaaaag cgtgaccttt caatggtttg 420

gttctcgact cttttcctgg gnttttgtcc tttgatgtat acattaatca tcaag 475

<210> 7203
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H5

<400> 7203

acgcgtccgc ccacgcgtcc ggcgtcacct tctcatcaac aaattcaaat tctcctcggt 60

aagcatgaga attgaatctg gggagaattt gaatttgttg atgagaaggt gacgcatatc 120

gtatcccgac caagcaaaac atgaggatgg cattgtattg gctcgtacag ggatgcacag 180

cangcgactc acttgtcttc cactactctg gtcatggttc gcgtcaaaga aactacaacg 240

gtgatgaagt tgatggctat gatgaaacac tctgtcctct ggattttgaa actcagggga 300

tgattgtaga cgatgagatc aacgcaacca ttgtacgccc tcttccacat ggtgtcaagc 360

tccattcaat tatcgatgct tgccatagtg gtaccgttct ggatttaccc ttcctatgca 420

gaatgaacag agctgggca 439

<210> 7204
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H6

<400> 7204

gcccgagtgt tacgaagcca ggtaccggtc cagaattccc gggtcgaccc acgcgtccgc 60

ggacgcgtgg gcggacgcgt gggcggacgc gtgggcggac gcgtgggagc aaatctatat 120

atctattacc catctcgaat tcgaccgaac ccatgttcta atctccttcg caacattgga 180

aatctatttt aaaaatccgt tgagatatag ttatataagt agtttggtga ctcaattagg 240

tttacacaca aagacatggg atcggctggt gtagcgagtt cttcttctga tgttgcgatc 300

tcagctttgc gtgagaagca tgagaaggaa gtagagaatc taacattaac gacacaacct 360

ttgaatacat tgaagttgtt tgttgaggct actattcagt acatcaagcg attcatatcg 420

tatccnattg ggctcatgga ngttggttta tactgataac cactttgtta gtggtatctg 480

gng 483

<210> 7205
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H7

<400> 7205

cccaantgtt acgcctgcca ggtaccggtc cggaattccc gggtcgaccc acgcgtccga 60

ttaggtctcc ttacaatgta tgatcagttt ttgtccagga agcaagtatc cgactttgat 120

ctgtttacac tggatgacat agattctgct ttccagaatg tgatcagatt gacttactct 180

caaaattacc atctttctgg aaagggagag ggtattgtaa ttgctcctca tgttgctgga 240

cacatgctgg gaggtagcat ctggaggata acaaaggatg gggaggatgt tatatatgct 300

gttgactaca atcatcggaa agaaaggcat ttgaatggaa ctgttttaca gtcttttgtt 360

cggcctgctg ttctgataac cgatgcatat catgctcttt ataccaatca aaccgcaaga 420

cagcaaaggg acaaagaatt tctagatacc atttcaaaac atcttgaagt tggaggaaat 480

gttcattg 488

<210> 7206
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-A1

<400> 7206

aaactgtgan gtaaaacana gaanaangaa aaatggtgct aaaggtgtac ggacctcact 60

ttgcttcacc aaagagagct ttggncacac tgatcgatga anggcgttgc cttcgagacc 120

atccccgtct atctcangan aggagaacac aagcagcctg cttatctcgc tctacagcct 180

tttggtacng ttcctgctgt tgttgacggt gactacaaaa tcttcgantc ccgtgcggtg 240

atgaggtacg tagctgagaa gtacaggtca caangacctg atcttttggg gaaaaccgtt 300

gaagacagng gtcaagttga acaatggctt gatgtggnan cgancactta cacccancgc 360

tantgaactt aacnctcaca taatggtccn aacaattaan ggaatcccaa cctgatgaga 420

a 421

<210> 7207
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-A5

<400> 7207

gccagtaccg gtccaaaaat tcccgggccc ttttcctctg ttcatcactt taagaaaatt 60

acaaactttt atcttctatt ggacgaatct ttgatctggt tttaattaat cacacgctta 120

ctttaggatt tttttacctg aattcgaata tatacttttg attttcatct tccgtagtcc 180

gtaccgtaga attgaggagc ttcatggaga acgagctgtt tatgaatgca ggagtttcgc 240

atccgccggt gatgacgtca ccgtcttctt cgtcggcgat gcttaagtgg gtttcaatgg 300

agactcagcc agtggatcca agtctcagtc gcaatctgtt ttgggaaaag tcaacggaac 360

aagagcattt ttgattcggc tctgagctca ctcgtctctt ctcctacgcc gtcaaattca 420

aacttttccg gttggcggag taagtggaga aaatgtcatt aatgaa 466

<210> 7208
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-B12

<400> 7208

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ctcgaaaaat ggcatcttca gccgcccaaa tccacgttct cggcggaatt ggattcgctt 120

cttcttcttc ttccaagaga aatctcaatg gtaaaggcgg tacctttatg ccgagaagtg 180

ccttcttcgg tacaagaacc ggtccttttct ccacacccac ttctgctttt ctcagaatgg 240

gcaccagaaa tggcggcggc gcttctagat acgcggttgg tccggttcgt gtggttaacg 300

agaaggttgt tggaattgat ttgggtacga ctaactctgc agtanctgct atggaaggag 360

gtaagcctac gatttgtgac taaccgctga aggtcagagg gacaacgcct tctgttgtgg 420

gcttacacgn aaggagtggt gatagggcct tgnttgggca agattgcgaa agaangcaag 480

cttg 484

<210> 7209
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-B3

<400> 7209

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ttactacttg tagtaaaacc atgaagcgat catccttggt cgattcttgt tcatattcga 120

gaatatttcg cagtattttc tgtctcttat ccttttgtat cttcttcttg acaacgacca 180

atgctcaggt aatgcataga cggctctggc cttggccatt gtggccacgg ccgtatccac 240

agccgtggcc aatgaatcca ccaacacctg acccatcacc aaagcctgtc gnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccta 420

angcctcaac caaagccagt gccaccacca gcatgcccaa caacacctcc ctaaacctca 480

accggan 487

<210> 7210
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-B4

<400> 7210

aacgttacgc ctgcccttac cgggccaaaa ttcccgggac cgacccacgc gtccggagag 60

taattcacta cacacacaca aaaaataaat tgagtgcctc ccccaaaaac aaaattggta 120

gataacgagc aattgttttt tttcagattt gatcctgaat ttttacattt ttttttgcaa 180

tctcccccta atctgttgtt tctcgcttct tcttctgtta atcatctgtc tttcaaaaag 240

aaagaaaaaa gaaaaattcg atttctgggt ttgtttttgt catacagaaa aaaatcaagc 300

ttatgaattt gtgtttaatt ttttgtttta atttgaaagg caggtttttt cagaacgaga 360

tcgttttttt caaatttctt ctgattttac ctctttttttc ttcttagatt ttagtgaatc 420

gagggtgaaa tttttgattc cctcttttcg gatctacaca agagggtgct taattc 476

<210> 7211
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-B7

<400> 7211

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attagcgaca cattatggca tctccagggg aaaaatatgt taccagcgat atggttcatt 120

tttaaccgta gaggatgtga tgcagctgta cagtatgttg aaaatttttca gtttttagat 180

gattgcgaga agagtgaggt tgagttggcc ttgaagaagt ttcgcgttct ttatccagat 240

gcagtgagag agagtgcaga gaaaggactg cttaggggaa ttgctgctca tcatgcaggt 300

tgtctacctc tttggaaatc tttcattgag gaacttttttc agcgaggact tgttaaggtt 360

gtctttgcta ctgagacact tgctgctgga ataaacatgc ccggctaaaa acggctg 417

<210> 7212
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-B9

<400> 7212

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gagtacacca ggctcttcta gatccattcc attcaaatcg aagaaacgat tggtgatgga 120

ttcgccgtct tcgaaatctc aaaccgggaa tccaaatccg tcttctgtag cattgcctac 180

gccggaaaaa ccacttgaga acatgcttag tagatcgaga aaccgatctg tggctttatc 240

aagtgaaaga aattcgtcaa gccgctggat ctcgtcgcaa gatctgaaga tccggttgct 300

tcatctgcca aaagcaggct ctttttcgat tcatcatcat cttctccttc aaaacgtaaa 360

agctctaaca aaaatgcaag agaaagagaa acttccggag aagtacgaag aatctgggga 420

aagtt 425

<210> 7213
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-093-Q1-E1-C1

<400> 7213

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tttcatgagc tactccacct ggaacctatc actttctaac acggntccaa aatattccga 120

ggtagcttct tcccagtact tttttcaaat ctatcctgca agatcaagtc acaaacacta 180

ggactgtttc tccaatgaac aacgaagcct ttcatctgtt aagatgaact ccgcagctcc 240

taactcggat ttcttgaatc ttcatcacat aaactccaca tggaatcaga atctgcagct 300

caggtcaact gattctccac atctccacct ggaatataag tctcctcacc gtatttccag 360

gcgcctacag tggagttacc tggacgatgt tgaggagatc ataacaggca tgaaagtcct 420

ttccaagctc ttgtatccgg aatcgatntc ctccttgaga attttaagaa ttgggtaaaa 480

<210> 7214
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H3

<400> 7214

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gcgtgggcgg acgcgtgggt ttggctgtcg gtgttgataa tatgtgcatc ctggttcatg 120

ctgtcaagag gcaagagcaa gagctgcctt tggaaagaag aattagcaat gcccttatgg 180

aagttggacc atcgattact ctagcaagtt tagccgagat tttagctttc gctgttggtg 240

ctttcattaa aatgccagct gttcgagtat tctccatgtt tgctgcattg gctgtccttt 300

tggactttct tctccagatt accgcgtttg tagctttgat agtttttgac ttccgacgga 360

cggaggataa gcgagttgat tgcttcccgt gtattaagac atcaaaatca tctattagtg 420

ctgaaaaang ggttggtcaa agaaaagctg ggccttttga ctcgatatat gaaggaagtc 480

catgcacctg ttctta 496

<210> 7215
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-E11

<400> 7215

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gcgtccgccc acgcgtccgc ggctcgatcc gccaagtaga gtaagcagca atgactaaaa 120

agaagaatcc taatgttttc ttggatgtat caattggtgg ggatcccgtt caacggattg 180

tcattgagct ttttgctgat gttgtcccca agacagcgga aaacttccgt gccctctgca 240

caggtgaggc gggcgttgga aagtccactg ggaagcctct acatttcaaa ggatcatctt 300

tccatcgggt tatcaaagga ttcatggctc agggtggtga tttttccaat gggaatggca 360

ctggtgggga gagcatctat ggtgggaagt tttcagatga gaactttaga ttggaccatg 420

atgggagctg gagtcctttc aatggcaaaa ttgtggccaa ataccaacgg gtcccaattt 480

ttaaactt 488

<210> 7216
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-E2

<400> 7216

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caacttgaac gacctaaaac ancaacaaac gactccgggc gaagtgtatg tatctttcac 120

tttctcacta accaaccaag acgacaaaag aaaattattc atcttagcta agctcgatta 180

gtttctggcg gaaacggttt tgtggataat tgttagcata ttccgatctt gccctccccc 240

gagagagaga gtcnnnnnnn nnnnnnnnnn nnnnntctct tacgaagcta cgtgtgacct 300

aacattctcc agattgttgt ttatagcctc ttcttagatt tacgatttgt gagcttgtga 360

agatttcttg gnangaatta gagttctctg tttcgagatc gagatgaata ataataataa 420

taatagagga agatttccac cggggattgg tgcggcgggg tcctggtccg ggattctaat 480

tttcaatcac gggatccgna atccaacct 509

<210> 7217
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-E5

<400> 7217

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gaagaggaag aggagagatg gagtcgcaga agaagatagc tcatgagatc ggaggtatga 120

agaacgatgc tcttcgcttt ggtcttcacg gcgttaagag cgatatcctt agatctcatc 180

ctctcgaaac ggcttacgaa tctgggaagc aatcacaaga agaaatgaag aggagagtga 240

tcacgcatac ttatggagct gctcttcctt tgaagatgga tcttgataga caaatccttt 300

ctcggtttca gagacctcct ggaccaattc cttcatcaat gcttggcctt gaagtctaca 360

caggagctct agataatttt ggttttgagg attacttgaa tgatcctcgc gaatccgaga 420

cgctgnaacc antagacttc accacgggat ggg 453

<210> 7218
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-E9

<400> 7218

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ttcgctgttt ctctcattat tccatctctc ttatcgccgc tacaaacgtt tcttcttcaa 120

cctcgttcag agattatcct cccttctttt ctcatcttac aaggaagttg ggcagttaaa 180

gctgctggga tcaccagttt tgtcaaaagt ggagtgtgaa gaatctttta tgtctgaaca 240

ggcttctctc tttcaatcat ctatccggct tttaggagag tactgtccta tatctaggaa 300

aaagtccact cataaagttg gtggtttgcg ttttgaggag gacatcacga gctgtattgg 360

gatttcaagt ttatgcaact gagtgattat cactgcctct tccggacatc cccntggttg 420

<210> 7219
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F11

<400> 7219

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atctttcatt aattcttctc aagatcttca gagtctacaa gggaagatca aagtaattaa 120

ataagctgaa gtaagaggaa gtgatgtttt ctcttatgtc tggactatgg agttacatgt 180

ttagcaagac tgagtttaat gtgcttattc ttggtatcga caaagctggg aagacgacat 240

ttttggagaa actgaagacg atatactcaa tctcggaagg tcttcctcat gatcgaattg 300

ttcctactgt ggggcttaat attggtcgca ttgaagtctc caatgctaaa attgtgttct 360

gggatctggg aggtcagcct gggtttgcgg tctatttggg agaaatacta tgaagaagca 420

cacgcgttga tatatttgat tgatgcaact tgcccaaccc gccttggaag atcctaaatc 480

tgccttagaa a 491

<210> 7220
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F12

<400> 7220

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gggaatcggt caacgtcctc aagtttatca tagatcttan ggtttctaat caagatattt 120

gattcatcaa aatcaccaac tagggtttac aaagtccatg cttttcgatc attgatcaga 180

gagctttcaa gaaatatttg caagaaaatg gcaatggctc cagtaataaa gctggtctta 240

ggttcagttg cctttgccat tttctggata ttagcagtgt ttccctctgt accattccta 300

ccaattggtc gaaccgccgg ttctctgttc ggtgcaatgc taatggttat cttccaagtg 360

ataaccccgg aacaagctta tgcagccatt gatctcccga tactcggtcc tctccttggg 420

acgatgggtg ttagtaaaat acccttgana aaaccggata tgttcaaatt acnttangga 480

caattgcttt cgtgggaaaa anc 503

<210> 7221
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F2

<400> 7221

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cggcgaaaca gccgatgaaa gtcccgcctg aatcttctgt acctttcacc gggcgattga 120

cttcacttca gaatcgagag atgagtaaac ggaatccgaa gattctgaag atttttctgt 180

atatgttact tctcaactct ctctttctca tcatctactt cgtttttcac tcatcgtcgt 240

tttcaccgga gcagtcacag cctcctcata tataccacgt ttcagtgaat aaccaatcgg 300

cgattcagaa accgtggccg atcttacctt cttacctccc atggacgccg ccgcagagga 360

atctaccaac tggctcctgc gaaggttact tcgggaatgg atttacaaag agagttgact 420

tccttaagcc gaggattgga ggaggaggag aaggaagctg ggtccgatgt ttttacaagt 480

gaggacaatn caagagttcg attttgtgaa gggaa 515

<210> 7222
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F3

<400> 7222

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gtccgcccac gcgtccgcgc tttcgatggt cgaaatcagt tggtaaagag gaaactctga 120

aagttgtgtt aaaaaaaaaa ctagaatcat ggcggcgtca atgacgaaac ccatctcaat 180

aacttctctc ggtttctatt ctgatcgaaa gaacattgct ttctctgatt gcatttcgat 240

ttgttctgga ttcagacatt cccgaccatc ttgcctcgat ttggtcacaa agtcaccgag 300

taataacagt cgtgttttac ctgtcgttag tgcccaaata tcttctgatt atattccaga 360

ctcgaaattt tacaaggtgg aagcaattgt cagaccatgg agaatccagc aagtttcatc 420

ggctttactg aaaatcggga ttcgaggtgt tactgtttct gatgtgaaaa ggtttggtgc 480

acaaaggagg ttctaccgan agaaaacggt 510

<210> 7223
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F4

<400> 7223

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agatcgaaga cgacggagca gttacaagag gaggttgttg accttaaagg tgagctcttt 180

atgcttcgtc tccagaaatc ggcaaggaat gagttcaaat ctagcgactt tcgtcgtatg 240

aagaaacaag ttgctcggat gttgacggtt aaaagagaga gggagatcaa agaagggata 300

aagaaaangt tgtcnangaa acttgacaga caatggnaga aaagcatagt accaagacca 360

cctccgtctc tgaagaaact tcaagcagat ttagcagctt cagctgcntc ttctgcttga 420

aaaaacccgc tattggattt aanggnctct tccctgntgt ttccctcgag aatgttngta 480

aaccccggtt atttggttgg ntgaaa 506

<210> 7224
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-091-Q1-E1-F7

<400> 7224

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gttccatcat taaaggttac cctggtgagg atcccaagat cttagctcat ttcagggatc 120

tcttggacaa aatgttcatc cttgatcccg agaggagact gactgtgtca caggcattag 180

ctcacccatt catcactggc aagtgaaacc acattgccat tttccctctc tgttgtatca 240

ggaaatgctg ttgtcctaga tatctgtaca ttaaatatct taattaccat tgaaggatct 300

aatctttgaa ttttctctac cttccctctg ctgcctgaga gagctttggt tacaatgtcg 360

acatgggtgg agttctcatt accgacgatt ctcaggggac tttactggtt ctctattgac 420

atcgaccaan tgcttaaaag acactccctt aacat 455

<210> 7225
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-F8

<400> 7225

cagaggaagt tctcaagacc cacgatcttg agtgttgtag ccgaccagag acggttggga 60

ccagagcaat ctcttacaac tttaaagaca tcggattcgc accgtacggt gaagattgga 120

gaacgatgcg gaagctctcg gtggtcgagc tcttcagctc gaaaaagctt caatctttca 180

ggtatatcag agaggaagag aacgacttgt gtgtcaagaa actctctgat ttagcttcga 240

gacgatcttt ggtgaatctt gagaaaaccc tttttacttt agtcggaagt atagtgtgta 300

ggatagggtt tgggataaat ctccgtgagt gtgagttcgt tgatgaagat agcatcgatg 360

atcttgtgca caagtctgaa gatgtcataa aggaatccaa cctccccgga tttctttccn 420

g 421

<210> 7226
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-091-Q1-E1-G12

<400> 7226

caactgtncg tacggccccg aaaattccca ggtcnaccca cgcgtccgtg gacattggtt 60

ctcataaggc tttctctgtt ggtgggaatc gcatggatgt aaattcccaa aatgctgtcc 120

tgcgatctcc tcaacagtta tctcatctct ttcctggaag gagtccaatg ggttcgatgc 180

cagggtcatt tgactcgcca aatgaacgat acaggaatct ctctcaccga agaagcgaat 240

ctagctctag caatgctgac aaaaaaactg tatgagcttg acgttgaccg tatattacgt 300

ggggaggaca ggaggacaac attgatgatt aaaaacattc ctaacaagta cacttcgaaa 360

gatgcttcta tctgctaatg acgaagcaat gttaaggaac ntaagaattc ccttaatttg 420

caattgacct caagaacaaa tgcatggtgg gannatgcct tcaacaaacc taattgaacc 480

cngaaaagga ttgtcccaat tttttaaggg ga 512

<210> 7227
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-G3

<400> 7227

tagcctgccc gtactngtcc gaacttcccg ggtcnaaaca cgcgtccggn ttctcctgaa 60

gttcaccgac ctcgttcttt ggaggttcag cctcaatcgg agcctcttcc accgccggtt 120

cagctcggag aaatcactga ggaggagctt aagctttatg atggctccga ttctaaaaag 180

ccccttctta tggcgatcaa gggccagatc tatgatgttt ctcagagcag gatgttttat 240

ggaccaggtg ggccatatgc tctgtttgca gggaaagatg caagccgagc tctggcaaag 300

atgtcatttg aggaccaaga cttgactgga gacatctcag gtctcggtgc atttgagcta 360

gaggcgttac aagactggga gtacaagttc atgagcaagt atgtcaaagt cggaaccatt 420

caaaagaagg atggagaang caaagaaagt tcagaacctt ccgaagcaaa gactgcctct 480

gcggaaggtc tttctacaaa aaacng 506

<210> 7228
<211> 488

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-D3

<400> 7228

gtccgaactt cccgggtcca accacgcgtc cganatatgg gcatnagagg cctcctttgg 60

aattccttgc gatgatccaa ggaagagttt tggcacgtga tctatttgta gcttatgcac 120

ggtgtcataa gcatgaattt ctgaaggatt tcttcttatc tacgggccag attcatgagg 180

tagcttttct tttatggaaa gaatcatggg atatggggaa aaacccaatg gctagcaaag 240

gatctccatt gcacggtccg cgcataaaac taatagagaa ggctagaaac cttttctccc 300

aaacaaagga acacactttc gagtctaagg ctgctgagga acatgcaaaa ctcctgaaga 360

tacaacatga gctagaagct agtacgaagc aggctatctt tgttgattca agcatcaatg 420

atactatacg cacatgtatt gtcctgggta ataaccgttg ctgcaataaa aagtgaagac 480

agaattca 488

<210> 7229
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-A1

<400> 7229

cacgcgtccg gagcaacaga agaagaaccg gagacgatga caaaggattg ctctggaaac 60

ttccccaagt taggatcaga gacattggaa aagttggtcc agcttttggg actcggtgtc 120

ggttgcggat ttggtttcgg cgccggtctt atcggaggtg tangattcgg accaggagtt 180

cctggattac aatttggtcn tggatttgga gctgggttgt ggaattggtg tangttttgg 240

ctatggtgtt ggaagaggag ctgcttatga tcactctcgt tcttattaca acgttggaaa 300

accatctctg aatgaagttg attcactgat tgatgaactt gttgttatca cgaagaagct 360

tgtgaaagct actacaaatg aaatccacaa gtgggtaaaa tgatgaactt ttaaggattg 420

ttgcagcttc caagtaaatg gtantgtttg ggtttgttcc taaaattaaa 470

<210> 7230
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-A12

<400> 7230

acgcgtccgc agctatggcg ttaccaccat tgtctattcg cggggatctt ggtgttctct 60

ccacagctgc tgctagatat gctccttcgc ttttaaaatc ttttatcaaa atgggtccta 120

aaggagcgtt gggagcgaca aaacttctcc gcccgttctc ggagatcgtt gattctttgg 180

agttaaaaga cccgtttata cgaaactgga ttgatcttct cgcattcctg ctcgcagggg 240

tcaaatctga tggcatactt tcagcagaga tggtagccac ttatgttaac tgtatccttt 300

attccacaac atgtctaaca tggaaaaaag aaacaagatt atcatacttt tggtgcaaaa 360

gatcggttta aaatgaagtc tttgtttcct atgtgtgcag atctacaagg tttgcagaat 420

gggtacaagg ccng 434

<210> 7231
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-A5

<400> 7231

aaaantgggt aanacgtatt gtatcttacg angttgtntt gaacaagcta gcgttggtgt 60

ggtcgaacgt tggggtcgat tcgagcatat gggctgaacc gggatgtcat ttcttcaacc 120

ctctcgccgg tcaatggctc gccggngttc tctccactan gatcaaatct cttgatgtca 180

aaattgaaac caaaactata ggataatgtg tttgtgcagc tggtttgttc gattcagtat 240

cgtgtagtga aagctagtgc tgatgatgcg ttttatgaag cttcaaaacc ctaaagagca 300

gatccaagct tatgtctttg atgtggttag ggctttgggt cccaatgatg acgcttgatg 360

ctctttttga anaaaatggt gaagttncca antctgttct tgaggagctt gngaangtga 420

ttgggtgctt antgggtaca 440

<210> 7232
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-A6

<400> 7232

acgcgtccgc tctaacacaa aaaacaatct cagatattaa ataaagtgtt aatcaaccgg 60

agaactctcc gacaaaacct cgccgacgat tttccgacga tgaaagatgg gctttttcgg 120

gagactgttc gggagtaaaa aaaagtctga taaagctgct tcgtcgagag ataaacggag 180

gtggagcttc accaccagat cttcaaattc agcaagaga gctccggcgg tgacgtcggc 240

ttcggtggtt gagcaaaatg gtttggatgc tgacaaacat gcgatagctg tggctgctgc 300

gacagccgcg gtggcggaag cagctcttac tgctgctcat gcggcagctg aagtcgtgag 360

actaacaagc ggaaacggcg ggagaaacgt cngtggcggt ggaaactcgt cggtgtttca 420

aataagaang aaataaccgt cggtngggct caaggagaa 459

<210> 7233
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-A9

<400> 7233

ctgttaccct gccgtaccgg tccgaaaatt cccgggtcna cccacgcgtc cggagcaaca 60

naagaagaac cggagacgat gacaaaggat tgctctggaa acttccccaa gttaggatca 120

tgagacattg gcaaagttgg tccagctttt ggactcggtg tcggttgcgg atttggtttc 180

ggcgccggtc ttatcggagg tgtangattc ggnccannag ttcctggatt acaatttggt 240

cttggatttg gagctggttg tggaattggt gtaggttttg gctatggtgt tggaaganga 300

gctgcttatg atcactctcg ttcttattac aacgttggaa aaccatctct gaatgaagtt 360

gattcactga ttgatgaact tgttgttagc acgaagaanc ttgtgaaagc tactacaaat 420

gaaatcgaca antggntaaa atgatgaact ttaacgattt gttgcanctc caaagtaaat 480

gggta 485

<210> 7234
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-B1

<400> 7234

ngttagcctg cccgtattta gnccgncctn cgcgggtcca naccangcgt nggcggaaat 60

ccagcttata gaagcatcng tgcggcagcg ttggctgcgt cagggaggtt agaagaagca 120

gttaaagaat gccttgaagc tgtgagatgt gatccttctt acgctagagc tcatcagaga 180

ctcgcttctc tttatctaag attgggagaa gctgagaatg cgagacgtca tctttgtgtt 240

tccggacaat gtcccgatca agctgatttg cagaggttgc agacgcttga gaagcatctc 300

agactgtgta cggaggctcg aaagatcggt gattggagaa cggtgattag cgaaatcgat 360

gcagccattg caaatggagc tgattcttct cctcagcttg tagcttgtaa agctgaagcc 420

tttttgcggc ttcatcagat aaaggattca gatttgtgta tatccagcan tccgagaatg 480

ggttatcacc atactcaacc aacctgag 508

<210> 7235
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-B10

<400> 7235

acgcctgncc cgtaccggtc canaaattcc cgggnccacc cacgcgtccg aacacgcgtc 60

cggtccactt ctttgggcta aattcagggt tttgtgaaga atgggtaaca gagtaatctg 120

catgaagaag aaagatgttg ttatcanaag tggaggagat gggtccagaa gcaagagagt 180

gaatcgttca cagaggaagt tgcttgctga tgaagagaat ttgcatcgaa gagctttgtc 240

tatggctatt catcaagctc aagtttctca agagatttga tggatccatg tctagacgaa 300

tcgggtctac tagctctaga agaggaacac tctctgactc attttctaat aacangcagg 360

ttcctgagtt tttgggagan cttgaaggtt aagaaattcg ttttggtgca tggtnaaacg 420

gtttgggggc atggtgtttg ggaacaaaaa cctantgccg tccatt 466

<210> 7236
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-B3

<400> 7236

acgtttccct gnccgtattg tccagncttc ncgggtcnaa ccacgcgtcc ngaaagctgc 60

aaggacggcc tttgatgaag gaccttggcc taaaatgagt gcttatgaaa ggtcaagagt 120

tttgttgagg tttgcagatt tggttgagaa acacagcgaa gagctcgcgt ctctagagac 180

atgggacaat ggcaagcctt accaacaatc cttgaccgca gagattccca tgtttgcaag 240

attgttccgt tactatgctg gatgggcgga taagattcat ggactaacaa ttccagctga 300

tggaaactat caagttcaca cattacatga accgataggt gtagctggac agatcatacc 360

gtggaatttt ccacttttga tgtttgcttg gaaagttggt cctgctcttg cttgtggtaa 420

caccattgtc ctcaaaaccg ctgagcaaac acctctcaag ggtttctatg ctggaaaagc 480

tttccntga 489

<210> 7237
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-B7

<400> 7237

gccaatgttt acccggccgt accggtccaa aaattcccgg gtcnacccac gcgtccgatc 60

atgagagagt tcaggtctgg ttcctcccgt gttctcatca ccactgacct cttagctcgt 120

ggtattgatg tccaacaagt ctccctggtt atcaacttcg atctcccaac tcagccagag 180

aactaccttc accgtatcgg aagaagtgga aggttcggga gaaagggtgt tgcgatcaat 240

ttcgtgaccc gtgatgatga gaggatgctg tttgatattc agaaattcta caatgtggtt 300

gtcgaagagc tgccttcgaa cgtggccgat ctgctgtgaa gggagaaaag aagtcggttc 360

tgttgctgtg tttgctctgc cgtactagta tcaccggaga agaaaggttt tcttgttttg 420

caaggcactc tttgatctga ttttgacccg tcgtctatca agcgatttac atttcttaaa 480

ttttctaant gttggtc 497

<210> 7238
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-C12

<400> 7238

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agccgcctgg tcggaatctc acatccgtca aatggaagac ggaaaagcta tccagctcgt 120

ccttgatcag agcactggat gtggatttgc ttccaaaaga aaatatctat tcggacgagt 180

gagcatgaag atcaaactca ttcccggaga ctctgccggt acggtcaccg ctttctacat 240

gaactccgat acggccacgg tgagagacga gctagatttt gagttcttgg gaaacagaag 300

tggtcaacct tactcagtgc aaacaaacat atttgctcat ggcaaaggag atagagaaca 360

aagagttaat ctttgggttc gacccatcta tggattacca cacttacact atcctaaggg 420

nacacaaana caattggttt ttancgtaaa 450

<210> 7239
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-C2

<400> 7239

gaangttagc ctgccgtatt ggtccgcctt cccgggtcaa ccacgcgtng canctgaaga 60

agcaaacanc attagaaaag agatgcaagc aattcacatc gtgacgacgc gattgagctc 120

aagctttatt aggcctgttc ttcttgactt cgtttcntgt tcgcctctac gccagttctc 180

taccccctang cgctttatct gtgccgcgag caaggtcaat ggaggaggca ggtcaggttc 240

gattgttgct ccattggtag tgaatgaaga atttcagaac atcgatgtca atcctcctaa 300

aggaactcgt gatttccctc ctgaggatat gcgactccgc aactggctct tcaaccactt 360

caaagaggtc tcacggttat ttgggtatga ggaagtggat tttccagtac tggagacgga 420

ggcattgttc atcaagaaaa gctggggagg agattagaag accaaagttt gtccttctac 480

gtttccgant tcatcngttt aactaagct 509

<210> 7240
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-C9

<400> 7240

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ttcttttaac cacactcctt gcttgagatt caatcgaaaa ctgaaattcg caagcctcca 120

ctgctcgccg tcgcactcat cggaatattc cattggcacc gtactaccct gaaatcatct 180

catcagatca aaacgggagt ttaactagaa ttgcgtggat taatggggaa gaagcagagc 240

gagatatctg caatggagat cgacgatccg aaatctgaaa gctcggatca gatccttcca 300

aggttctcga tcaatgttct gcagctgatg aaatcttctc aggcgcaaca tggtctgcgt 360

catggtgact atgctcgcta tcggaggtat tgctccgcac gtttgaggag gttatacaaa 420

gtccttgaaa ttcactcatg ggccgtggaa aatacactcg aacgaggcca ntc 473

<210> 7241
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-D2

<400> 7241

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gatctctgtt tcttcataaa gtctcaatct ttttttttctc tatggccgga actaaagatt 120

ctcatgtagt ggagattcca gtagatgaag agcataaaga gagacaacaa caacaacagt 180

tggttgcggt ctcaaatccg ggaatgggaa tactcaaagt gattcagcag catccgttgt 240

ctgaaatctc agagagtcca ggacatttgt tgcttttgaa gttatggcaa agagaagaag 300

atttgttctg tcgtcgtgtt cttcttaaag aatcaagact aagagtcaat caaaagagag 360

atctttcagc tttgttgttt cttcctagtc ttccatgggt tcttcctcac acttgtctac 420

tcctcntcct tgttccgatg aagcctgacc tggtgaaagt tantccg 467

<210> 7242
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-H9

<400> 7242

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atcggttggt tgatcaagac cttgataaaa ctggtgttca ccaagatgcg tttgtgcttt 120

gtaggatttt tcagaagagt ggctccggac ctaaaaatgg agagcagtac ggtgctccgt 180

ttgttgagga ggagtgggag gaggaggatg atatgacatt tgtacctgac caagaagatc 240

ttggaagtga agatcatgtt tatgtccata tggatgacat tgatcagaag tctgaaaact 300

ttgtggtcta tgatgccatt cctattccgt taaactttat tcacggggag tcgagcaata 360

atgttgaaac aaactactca gactccataa actatataca acaaacagga aactatatgg 420

acccgggtg 429

<210> 7243
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-F5

<400> 7243

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taggataacg ggggacaaca ctcacaagga ttataatagt cctaccgcaa agcgaaggaa 120

gaaaggaggg aacattgagc tgagtccagt ggagaggtca accaatgatt cacgcattgt 180

ggttcacact cagactctgt ttgatattgt gaatgatggg taccgatggc gtaaatatgg 240

tcagaaatca gtaaaaggca gcccatatcc aaggagctac tatagatgtt caagccctgg 300

atgccccgtc aagaaacacg tagagaggtc atctcatgac acaaagttgc ttataacaac 360

ttacgaggga aaacacgacc acgatatgcc tccaggaaga gttgttactc ataataacat 420

gctggactcg gaagttgatg ataaag 446

<210> 7244
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-G1

<400> 7244

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gagaatcagt caagaaactg ataaggcttg tgtttcagtt gagagaattg ggtctacttt 180

actctcatca tttgtgaaga aaggtaaaga agtatcaaat aagagaaatt ctaagcagaa 240

taagcgaaaa gcggaagaag aactctgttc gaaatcaaga accaagaagt actctcgggg 300

atgggtccgt tgtgaggaaa tggaggagga gaaggttaag aaaacaagaa agaggaaaag 360

taagagacag caaaaggata ataaggttga ggttgatgat tctttaaggt tgcaaaggag 420

gacaaggtat ttgctcatta aagatgaaga tgcagcag 458

<210> 7245
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-G10

<400> 7245

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ggaatcaatt ggttgatgaa caaatacaag tgtaaaacga tgccgggttt aacaacacac 120

atgaatgagc attactcttc ttctgggttt tggtctgagg acgacgatgg acttacctac 180

gatcagttgg accagttctg gagtgagctg tcgtcgaaag ctaggcatga gcttcttagg 240

attgacaagc aagacactgt ttgagcaagc tcgcaagaac atgtgctgtt ccagatgcct 300

tggactgttg cttgaaggct tcgcccaaga ttctttctgc tgggagggcc gcgtacgaaa 360

aaagaatgat gggaccctcc aaagataact gtaaatctaa tggcactagg aaatgtacgg 420

ttgcgtacca gaaccctcct gtt 443

<210> 7246
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-G11

<400> 7246

tctcactctc tccgtagtct gagactcgcc ggaaaagctt gtattggctt ctcttcgatt 60

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aggaatcgat ctctggttcg agctctagtt agtcggcgtt acttcgcttc atcgccggag 180

gaaatcgcaa agagaaatta cgccaacgat ctgtcggaat acaacaccgc tgtcaactcc 240

gtcacagctc agcgcaggca ctatttgctg agggatgttt atgatgatat gaagcttgat 300

ggtgtgcagc ctacagctga tatcttccat tcatttgtcg tgggaacgat gaagggtgct 360

cggttaagcg atgcgttctt tttccgggaa gaaatgaaag ccatggggat tgctccaaat 420

nt 422

<210> 7247
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-G5

<400> 7247

ntgttcacgc ctgccggtaa cggtccgnaa attcccgggt cgacccacgc gtccgtatca 60

gtccccgccg agaatcgaga agcagcagcc atggccgacg tagttcaata ccgcctcgag 120

cggatggttg acgagcttga tgatctagaa cgaagagaaa tcttcactcg tgctgagata 180

gctgagatcg tgaagcagcg gcgtaagttt gagtaccggc tcaagcgtcc aagcccactc 240

aaagaagatt tcatagccta tattgactat gaggttaagc tcgatgagct ccgtcagcta 300

cggaggaaat cggtggcgcg tgtgactaag aagagaaaga agaaatcagt atctgatttc 360

gccggtgtgg ctaggattgt tgagatttat agattggcga cgatgaggta taaaggtgat 420

atcaatttgt ggtttaagta tctcgagttt tgtaaacaga agaagcatgg aagaatgaaa 480

aaggcattgg ct 492

<210> 7248
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-G7

<400> 7248

acgcgtccgc gcttcctcct cctcgtgcgg ctgtctctgc tttcgttcca aagggaaccc 60

ttaagaagag tcttagcaat accgttgccg ttagccaggt gagaatcctt aagcgcggcg 120

aagaaatccc caaggagact tcagatctgg ttgtggaaat gtcagatctg ggatctactc 180

gtcggattgg accagatccg ggtttgattc cgggtcagat ccgtttatct ggccgcaaat 240

cgaaatcagc accgttttac gccggtcctg tgaccatgac ctcgccgcct cctaagcgat 300

gtcccgcttc cagctttctt cacgaaagaa ggcaacaaat gatctcatca aggatcttcg 360

cctagacatc gcctgacggt gtctgtcacc gatcattttt gatttttaa aaaatcctcc 420

cgatgattca aatggttacc aagagtgtta 450

<210> 7249
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-090-Q1-E1-G8

<400> 7249

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ggaatcaatt ggttgatgaa caaatacaag tgtaaaacga tgccgggttt aacaacacac 120

atgaatgagc attactcttc ttctgggttt tggtctgagg acgacgatgg acttacctac 180

gatcagttgg accagttctg gagtgagctg tcgtcgaaag ctaggcatga gcttcttagg 240

attgacaagc agacactgtt tgagcaagct cgcaagaaca tgtgctgttc cagatgcctt 300

ggactgttgc ttgaaggctt cgcccaaatt ccttctgctg ggaaggccgc gtacgaaaaa 360

agaatgatgg gaacctccaa aagataactg taaatctaat ggcactaaga aatgtacggt 420

tgccgtacca gaaccctcct gttcat 446

<210> 7250
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-G9

<400> 7250

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ttgttatagc cactggagtt cacaccttct ttggtaaagc tgctcacctt gtggacagca 120

ctaaccaagt tgggcacttc cagaaagttc ttacatccat tggaaacttc tgtatctgtt 180

ctattgctat tggtatagcg attgaaatag tcgtcatgta ccctatccaa caccgaaagt 240

acagagatgg aattgacaat ctcttggtcc tcttgatcgg tggtatcccc attgctatgc 300

ccacggtctt gtctgtgact atggctatcg ggtctcacag gttgtctcag caaggtgcta 360

tcaccaaacg tatgacagcc attgaagaaa tggcgggaat ggatgtcctt tgcagtgaca 420

aaaccgggga cactaaccct taataaattg agtgtggata aaaacttggt tgaggttttc 480

tgcaag 486

<210> 7251
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-H11

<400> 7251

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tcacaaagca gggctaaaac tatatgcgtc aggttttgca aatgatgttg atattgcata 120

taactacagt tgggatccag tttctgaata tctatctttt gttgacaatg gcaatttttc 180

tgttgatggt atgctctctg attttccttt aactgcatct gcatctgttg gtaagaaaat 240

tatcttctac agacaaaata ttatttctta atacattact tgtaatactc aaaatcaaac 300

attttatttt tgtatttctt cagactgctt ctcccacatt ggcagaaacg ctacaaaaca 360

agtggatttt cttgttatat caaaaaatgg tgcaagtggg gagtatcctg gatgtacaaa 420

attggcatat gagaaggcaa tcaaagatgg ttctgatgtt attgattgcc agttcaaatg 480

tcnag 485

<210> 7252
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-H12

<400> 7252

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nnnnnnnnnn nctagctcca tgttcgaaac agagnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaagagaa gaaatagaaa 180

aaccagattc aatctacctc cgggtaaatc cggttggcca tttcttggtg aaaccatcgg 240

ttatcttaaa ccgtacaccg ccacaacact cggtgacttc atgcaacaac atgtctccaa 300

gtatggtaag atatatagat cgaacttgtt tggagaacca acgatcgtat caagctgatg 360

ctggacttaa tagattcata ttacaaaacg aagggaaggc tctttgaatg tagttatcct 420

agaagtatag gtggggattc ttggg 445

<210> 7253
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-H4

<400> 7253

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cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnntggtat ttgctttgta tgtttgtttt gagatcaaaa tggcttcaag tgcttcaaag 180

ttcatcaagt gtgtgactgt tggtgatggt gctgttggta aaacctgtat gctcatctgc 240

tacaccagca ataaattccc cactgactac ataccaacag tttttgacaa ctttagtgca 300

aatgttgttg ttgaaggcac cactgtcaat ttggggcttt gggacactgc tgggcaagaa 360

gactataaca gattaanggc ttaaagttac aaggggaaca agaagttttc cgtcctggcc 420

ttcccaaata atcaagccga acctagctac gaagaaatgt ttttaaaaaa gtgggttccc 480

tgaactccaa cacttttgct ccaag 505

<210> 7254
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-H6

<400> 7254

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aatcctgatc atggcgtcgt cttctctcac ttcgaaatcc attctcggat ccaccaaact 120

cggttcttct tctcttccct cggagctccg tcgtctctct tctcccgccg ttcagatctc 180

tctccgtacc caaaccagga agaacttcca gatacaagct actggaagtt catatgggac 240

tcattttcga gtttcaactt ttggagaatc acatggagga ggagttggtt gtatcattga 300

tggttgtcct cctcgtattc cacttactga atctgatttg caattcgatc tcgatagaag 360

gagggctggn cagancaagg atnacaactc ctanaaaaga gactgatact gccnggatat 420

cgtccgggag gcctcggaag ggatgacc 448

<210> 7255
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-H8

<400> 7255

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ttatggcatt tcttgctgat ccattgccaa agacagtgaa gctccaaggt cttggaggaa 180

aactttggac tgtgagcttg aagaaaataa gcggagctgc gtatcttact agaggatggc 240

caaaattcgc agaggaacat gagctgaaga acggagagtt catgacattt gtgtatgatg 300

gtcatcgtac ctttgaagtg agtgtctttg attcgttggg gtagcaaaga ggtcagagct 360

gaaatacaag ccatacnact ttctgattct gatcctgatc cngttgtgga agacgaaaaa 420

gactcaactg atg 433

<210> 7256
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-F2

<400> 7256

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tcatcaaaac accaaacctg ggacaacgca aaagaaaagc tctgcttcga ttgtcaatct 120

tgtaaagcgg gtctactcga caacgtcaaa agcgcttgga agaaagttgc aatcgttaac 180

atcgtcttcc ttgtcttcct catcattgtc tactctgttg gttgctgtgc tttcaggaac 240

aacaagaggg atgacagtta ttcccgtacc tacggatata agccttgaac atagtttatc 300

gggttttang acagagattc gttgatacat tgttggagtt tggttttntg tttgatgant 360

tttagcnttg gtgttttgat gagacctatt gccttgtaag ctcacttt 408

<210> 7257
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-089-Q1-E1-C1

<400> 7257

acgcgtccga gctaatccta tgtttaagtt ctgctccaag attgaaaacc atgaatacaa 60

gggaaaagga aaccaaagaa ctcgtaagaa gagagcttgt gagactgctc cacagccaag 120

gaatgtgaaa aagactccaa gattaggagt agagggacca gtgtatcaag ttgatgagga 180

gagaggacac actcaggttt caaacagaac caacaccatc tcaggaaatt tacagcgctt 240

gctaccacca tcgtgctcag tctccgatca ggtggctaat gtgaaacagg gcattgtaga 300

tagtctgaac actgtgagac aatgtcggac tgagcttgag acaagtgaac aaaatctgca 360

agcctctttg ctagcaattg acgccttaag ggagaggata tggggaatca gcaaaatcct 420

cagcagtaat ctggtttgaa gtgagactga agatggggaa agaaacaaag 470

<210> 7258
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-C6

<400> 7258

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gcttgaaggt ctttgaagga gttcctactc catatgacaa gatcaagagg atggtcgttc 120

ctgatgctct caaggtcttg aggctgcagg ctggacacaa atactgtctg ttgggtcgcc 180

tttcttctga agtcgggtgg aaccactacg acaccatcaa ggagctggag aacaagagaa 240

aggaaagagc tcaagctgtt tatgagagaa agaagcaact tagcaaactc agagctaagg 300

ccgagaaggt tgctgaagag aagcttggat ctcaattgga tgttcttgca cccgtcaagt 360

actgaattca atcagtttat cgtatttgaa tgtttttgca agttttgctc agacattata 420

ctattatatt acgaggtttt gttgtatgcg attttgacnt aagttaattt cttgaattcg 480

actttacnta agttaattc 499

<210> 7259
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-C7

<400> 7259

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ctctgcaaaa ccacatacaa tggaagataa cgaagaagaa gaagaatcac cgacggagtt 120

aaacacgatc accggtttaa gcggttttgt agttatctct cccgataagc tatctctcaa 180

atacactggc gtttctcaac acggtcacga tgtcggcgtt gttcaagcta ataaacctgc 240

tccgtgtaaa cgtttcgctt attacttcga gatttatgtt aaagatgctg gtgttaaagg 300

acgtgtctcc attggtttca ctactaatag tttcagaatc gcgagacatc ctggatggga 360

actcaacact tgtggttatc atggtgaaga tgggcttata tatctaggaa aacgtcaang 420

tgaaaccttt ggtccgactt atacaactgg gtgatactgg ttg 463

<210> 7260
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-D2

<400> 7260

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tactggtcgc agaggaaaga ctgttggtgt ctcaaagaag cgttaagaaa gatccaatgt 120

tgctacttac ttctgtattg gatacttcat aaggacctgt ttttatttcg tactaggacc 180

tttttgtgtg acgcttttcg agctttttgt gatcacattc ctctgttttt cnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnng g 261

<210> 7261
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-D4

<400> 7261

atggttcccg tgcctangcc tccggaatcc caggtcgacc cacgcgtccg gcggtgcttg 60

ngactcaata ggtttagaat atcagatagg ttaaacatcg ataggtacac tcaagggttc 120

ttggagaatc ataaaggtct aacagaggat tactggcctc tctatgctgt tgctggtggc 180

attggagtct ttatcagttg ggtttggtca ttgctgcttg gctcttacgc caatgagatg 240

atgaaagttt cggttcacat cttaacaacc tatctagctg tagttagtgt actatgtttc 300

tggtgcagac tgttcttttg gggcggtgca ttcgctgttg gatctctgtt gcagttcttg 360

tatgttattt cagttataga cagacttcct ttcacaatgc tggtcctacg gaaagcgctg 420

aaattagtct ggggacttcc taaggtgata atggtggcac atgctttcac agtagtcatg 480

cttttgtgga tgtccccaat ggtcct 506

<210> 7262
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-D6

<400> 7262

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cgcgagcttc ttcttcttct agggcttcca cgcgactacg cctgccaaaa tcattctaca 120

ggaagcatga agccagtctt ctgtgggaac tttgagtatg atgcgcgcga aggtgacctg 180

gaacgactat tcaggaaata cggcaaggtt gagagggttg atatgaaagc tgggtttgct 240

tttgtataca tggaagatga aagggatgcg gaagatgcca tccgagcact tgaccgcttt 300

gaatttgggc gtaagggacg cagacttcgt gttgaatgga caaagagtga acgtggaggt 360

gataaaagat ctggtggtgg gntcaaggag atcctcatcc ancatgagaa cttccaaaga 420

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cttttgagcc gtatggaaag atctaaa 507

<210> 7263
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-E1

<400> 7263

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tcctagtcct ttgatttctt cgactggaat cgcaattccc cactacgtca agctggacag 120

acaccgaagg gatcgccatg agagtggcgg ctacgaggat tcctaccata accaccgagc 180

ccatcccaga ggtccatctc gtccctcaga ttcacgcttc gaagaggatg atgatgattt 240

tcgccgccac cgtcgtcgtc gtggaagcag ccctagcaat tatcgaattg gaattggggg 300

cggaggagga ggtaatggtg gtcgacgctg ggaagatgac actcctaagg attttgatgg 360

tcccggagat ggaggtttcc ggcaaatgaa tggtccccca natagagtan attttaaacc 420

taagggtcct caacaagggt gggaagtttt ccgnctaagg ggttttgccc a 471

<210> 7264
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-E10

<400> 7264

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gattcttcgc ttagcttcgt cttcttcatc gaagatttat ctctacaatt cgctgtggat 120

cttcggggcg ggcgaatttc attgattttc cattgaatct gcgaggttac atatccggat 180

ttgtgttatc ggagctgaat ttaggaatgg aggtagagaa atccaagtat aggagcgaag 240

atttggatgt ggtggaggag gaggctgatt tgaagaagag tcggcgagat cgtgatcgga 300

gtaatgagcg gaagaaggat aagggttcag agaagcgtcg agagannnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnaacgtaa ggagaaagga gaaggaaccg ganaacggag ggataaggat anggttgaag 480

<210> 7265
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-E3

<400> 7265

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aaatcaaaat gtcttctcct actgcgacta agtacgacgt ctttctgagt ttcagaggac 120

tcgacactcg tcgcaacttc atcagttttc tctacaaaga actcgttcga agaaaaattc 180

gaactttcaa agacgacaag gagctcgaga atggccggag gatttctccg gagctcaaac 240

gcgccatcga ggagtcgaaa ttcgccgtcg ttgtggtctc tgtgaactac gctgcgtctc 300

cttggtgtct cgatgagctt gtgaagatta tggatttcga aaacaagggt tccatcaccg 360

tgatgcctat cttctacggc gtggatcctt gtcatttgag nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agtancttcg 480

tggagacgag cattgaccaa tttagcgagt a 511

<210> 7266
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-E5

<400> 7266

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ggctcgagac tgtagagtga agtttgattt atttagagag ataagttaaa aaaaaaatgg 120

tcggtatgga tttgttcaaa tgtgtaatga tgataatggt gttggttgtc tcttgtggtg 180

aagctgtttc tggagctaag ttcgatgagc tttatcggtc aagctgggct atggatcatt 240

gtgtcaacga aggcgaagtc acaaaactca agcttgacaa ttactctgga gctgggtttg 300

aatcaagaag caaatacttg tttggtaaag tcccaaccaa gattaacctt gttgagggtg 360

attcagcagg aacaagtcca ctggcttcca acatgttctt caagatgggc ccgaaccaac 420

aaacgaaatt ccgatttttg agtttcttaa ggggaaacaa ctaaccggnc gaacccttac 480

ataagtccaa gaacaaatat cctacgttga acgga 515

<210> 7267
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-E7

<400> 7267

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gagccgtcac acctgttaaa aaccagggta tgtgtggttc atgctggtca tttagtgcga 120

taggagctct tgaaggagca cattttctag ccactaaaga gcttgttagc ctcagtgagc 180

agcagctcgt agattgtgac catgagtgtg atccagcaca agccaattca tgtgattctg 240

gttgcagtgg aggactaatg aacaacgctt ttgagtacgc tcttaaagct ggtggtctaa 300

tgaaggaaga ggactatcct tatacaggac gtnaccataa ccgcctgtaa attcnacaaa 360

gaccaagaat tgttnccaat ttngtccaac ttnaaccttg tcccctncgg gatgaaagaa 420

ccaaaatcnc ctgcctaatc ctantccaac atgganctcc aagctaattg cctaacaatt 480

gcgaatgtng gaatgcaaac aatacataag ga 512

<210> 7268
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-F1

<400> 7268

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ctttacaatg ttgtgactgc tcctatgcat caagtcaatg ccatagctct tgaggcgtac 120

aaaaagtaca tattggtgtc tctcattcac aatgggcagt ttactaacac tctccccaag 180

tgtgcttcta cagcagcaca gaggagcttc aagaactata ccggaccttа cattgaactg 240

ggtaattgtt acaacgacgg gaagattggt gaactagagg cattggttgt ggccaggaat 300

gcagaatttg aagaggataa gaaccttgga ttagttaagc aaagcaagtg tcatcccctt 360

tacaaagccg taacaatctg agaattgaca cagaagttac ttnganccct ggtccgcttc 420

aagatatanc ccaacatggt ccaactttgg taatggctaa gganggcgga aaatgcatgt 480

tcc 483

<210> 7269
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-F11

<400> 7269

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gtgatgaagg aggcttaaaa ctttctcttt cggaatgtgg atgccatgtg gaagacatta 180

ccattgagtt ggaaggagga gcatcanggt tttatcangg gatggttaat gcanttaaag 240

accaanttgg gtcaagtgtg gaangtncca ttgccaanan nctcacggaa ggagtatcat 300

accttgattc attcctacaa agccttccaa aggaaatccc agtggatgat aatgctgncc 360

ttaatgtcac tttcaccant gatcctatat tgagaaattc atctatcact tttgagattg 420

atggcttgtt caccagagga gatacaantc aagtcttaaa atcnttcctc aanaagtctt 480

tatcttaat 489

<210> 7270
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-B3

<400> 7270

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caaacttccg aaaggttgat attttcgacg cccaactgtc ctggcttcat gngaattagc 180

tccggacctc aatttcgtct cagncaaaac tcttctctta aattctcgag accatttcaa 240

agcggaacaa cttgtgttaa atctcggaga agctttgtgg ttaaagcttc agcttctggt 300

gatgcttcaa cagaatcaat cgcgccgctt cagttgaagt ctcctgtggg acaagtttct 360

gtcacaagat attaagtgag ccatcctcat cttgttccaa cagctgttga acagcagctt 420

gaacagctcc aaattgatcg agacgctgaa gaacagagta aagatgcatc ctctgtcctt 480

gggaacaaac antgt 495

<210> 7271
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-088-Q1-E1-E4

<400> 7271

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gtgtagctgg acagatcata ccgtggaatt ttccactttt gatgtttgct tggaaagttg 120

gtcctgctct tgcttgtggt aacaccattg tcctcaaaac cgctgagcaa acacctctca 180

cggctttcta tgctggaaag cttttccttg aagcgggtct tcctcctggt gttctgaata 240

ttgtttcggg attcggtgca acagcaggtg ctgccctcgc gagtcatatg gatgtagaca 300

agcttgcttt tacaggatcg actgatacgg ggaaagttat acttggattg ggctgctaac 360

agcaatctta agcccgtaac tctggaaact tggagggaaa tcaccgttca ccgtattcga 420

agatgctgat attgataaaa gctgtaaacc ttgcanactt tgccctcttc ntcaaccaag 480

gggaatgttg ctgccccgg 499

<210> 7272
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-E6

<400> 7272

aaaagggaaa attaccagac aagagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng aaaatctaga agaagagaaa gctacaaaaa 120

tctcaacatc gaggtaagag ttttggctac agagcaacca tgctaacttg cgccttctcc 180

caaaatctta tccactaatc tcggtaagga aagtgatgtt ggcaaaatgg tgaagaaagg 240

aagttggttt tctgctatca aaagggtttt tactccacat tccnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnntttg ggaagctaag 360

gcatggcgag accaattcat ttcttcccat cttcagagag cctagtanta tccaaaagat 420

ctgggcgaag gctg 434

<210> 7273
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-F2

<400> 7273

gaactgttac cctgcctgta ccgggccgaa aattcccgga tcgacccacg cgtccgtcca 60

cttcgatttt tcaatcagta atattggtgg ttcagagatg atgatgatga atcttttaag 120

gagatcagcg atagccatcg gccgccaatc aaaatcgaaa ctggcgtcgt tttcctccgc 180

tacacaacct tgttccggaa tcccaaaatc gtccaagagg gtttttagca actcatttct 240

ttcaaaggac tctactggag ctaatggact attgtttcgc ttccgaaacc cgcaagcaag 300

tatatgtacg gaagctcgtc caaagaacat caactcatct tactttacca agatcttttg 360

catcaagaac ttcaaaagaa cctgggaatc agcagaataa ggctaagaaa gangtgacga 420

ctgtgggagg atccttttga ttctcctaca taccacatcc ccggagaanc cnggtgacct 480

ttacagaang ggcgtcctaa agt 503

<210> 7274
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-G1

<400> 7274

ngttacgccg cctttaccgg gccaaaattc ccggaacgac ccacgcgtcc gcccacgcgt 60

ccgtgatcac cggaaaatct tagccgtccg atcaaccacc gtgtactccg agaagatctc 120

ttcgattact tcaacgttct tctgattttc accagctcag atctccgaca acattccggt 180

atcatttctc gctttttttt cctccaaatc cttatccgcc agattacgaa aatgaggagc 240

ttgatccgag agaggcatag tgaaagctta tctgtgaatt cttaggattt gaatctgaat 300

actcaggctt tttgattcct tctccgttac atgntgattc aattttgagc tcccctgcta 360

gngtaaatct cctcagctcg gaaacttagg ggtttagttt gggggtcctt ngctcttccg 420

ttgcgtaagg ccaggtttta agaaaatcag gaaaaggtgg ggcatcgaan agcccctcca 480

aancccgag gg 492

<210> 7275
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-G2

<400> 7275

aactgtttac gcctgccttt accgggccaa aattcccggg acgacccacg cgtccgggcc 60

attggccata gagctctcgc tgcctcctac agccgaatcc gagaacaagt ttgtttatac 120

tcatggacat gacgctacta ctcactggat ttggaaacta gccaaagctc atgtctgctc 180

aaatgatgct ggtgttcacc aacttgtgaa ccactggcta aggactcatg cttccatgga 240

gccttacatc attgctacta acagacagtt gagtacaatg catccggttt acaagctact 300

tcatcctcat atgcgctaca cgcttgaaat caatgctcgt gcgcgtaaaa gcttaatcaa 360

cggaggagga atcatcgaaa gttgcttcac tcccggaaaa tacgcaatgg aacttaactc 420

tgcancgtac aaagaacatg tggcgatttg acatggaaag gacttcctgc tgatcctgtt 480

ccgaggggaa tgggaaaaaa aag 503

<210> 7276
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-G7

<400> 7276

acgcgtccgc tcacagaaaa acctataaag ctctanagag aaagagagag agagatggna 60

ngtaaagaag aanatgttag agtcggagct aacaagtttc cggagaggca accgatcgga 120

acttcggctc agagtgacaa ngactanaan gagccaccac ctgcgccgtt gttcnagccc 180

ggcgaagcta gcttcatggt ccttctggag agctgggatt gctgagttta nagctacgtt 240

tttgttcctg tacatcactg ttttgactgt tatgggtgtg aagangtcac cgancatgtg 300

tgcttccgtc ggaatccang gtatcncttg ggctttcggt ggtatgatct tcgctctcgt 360

ctantgcacc gcctggtatc tccgggtgga cacatcaagc ccanacggtt acgttcggtt 420

tgttcctagc tangga 436

<210> 7277
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-H4

<400> 7277

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aanaggcggg aaccctgatt ccaacacact catcagcgac acgaccactg tgatctgtct 120

tgatgattac cattcnttgg ntaggtacgg tatgaaatag cagaaagtca ccgctttgga 180

cccacgcgcc aatgactttg atctcatgta tgancaagtc aaagctctta anaatggtat 240

agccgtcnag aaaccgattt ataaccatgt cactggactt cttgaccctc cggagcttat 300

tcagcctcct aagattcttg ncatcgaagg tcttcaccca atgtttgatg aagcgagtan 360

gagacttact agacttcagt atctacttgg gncattangc ancgaaagtc aaattcgcct 420

gggaaattca nanggacatg gctganaaga gggcacaatt tggnnancat caaaggnnaa 480

ttacgaaagc ccgaanagcc 500

<210> 7278
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-H5

<400> 7278

gaaagatcca aaggattatt attaaagtta aaaaatgaca aaagtcccaa tctcttcgag 60

caaaatcagt ccttaccgca tcgtgatcgt tcttcgcctt gtgatcttag ttttcttctt 120

ccgtttccgt atcttgacac cagccaaaga cgcataccct ctctggctta tctcagtcat 180

ctgcgagatc tggttcgctc tctcttggat ccttgatcag ttcccgaaat ggtttccgat 240

taaccgagaa acctaccttg accgtctctc tatgagattt gaacgggatg gggaaaagaa 300

caagcttgca ccggttgatg tgtttgtcag tacaatggat ncgctcaagg aaactcccat 360

aatcanagcc aacacaantc cttcnatttt anccgttgga taaccagtgg aana 414

<210> 7279
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-A1

<400> 7279

ctggtttgcc tggccctacc gggtccggaa atcccgggtc gacccacgcg tccgcggacg 60

cgtgggcgga cgcgtgggcg gacgcgtggg cggacgcgtg ggctgagatt cccgccgaca 120

tgcttctgtt tcaaatatgc attccattta tcatcgagca tttcagactt cggaccacaa 180

ttaagtccct tctacgctgc tggttcactg gggttggttg ggcgcttggt ttaacagact 240

tcctcttgcc aagaccagaa gacaacattg gtcaggacaa tggaaatggt gaaccaggaa 300

ggcagaacag agcacaagtg ttgcaggtcg gaggacctga cagggccatg gctgcgcttc 360

cagtagctga tgaccctaac agaagtcgcc tccgtgctgg gaatgtcaac acggggtgag 420

gaatatgaag atgatgacga acaatctgat tctgaacagg tacaaacttt tgtggtcccg 480

gataantctc ccttcnactt gttgcatggg tgactcctcc tcccc 525

<210> 7280
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-A11

<400> 7280

antgttagcc tgccgtacgc ccgnaangtc cangttcacg ggtcgatcca cgcgtccggn 60

anaantgccg gcggcaanan ggnactcatt gtttctanat ctatgtatca tatacatccg 120

taacaatcgt aagaatcaca ctagttcctt ctaacctttg aatactagtg tgcttttgtc 180

cgtcagtcgc cattttgttt gtagccaaat actaaagctg gatacaagtt gcagtcttat 240

gatagttcta aaatcggtaa tggtgtatgt cggcttgtgt gtgtctgtga agtanagata 300

tagctgtaat ctgtatacag tttgagatat gaagtcagtt agagtttctc ctttttacta 360

ttacatatgg cctcttttga tgctcttaag gtctgagaga gccaccatgc tactcattgt 420

ttctatatct atgtatcata tacatccgta acaatcgtaa gaatcacttc gtattaaaaa 480

aaaaaaaaaa 490

<210> 7281
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-A8

<400> 7281

tgaaggagtt cctactccat atgacaagat caagaggatg gtcgttcctg atgctctcaa 60

ggtcttgagg ctgcaggctg gacacaaata ctgtctgttg ggtcgccttt cttctgaagt 120

cgggtggaac cactacgaca ccatcaagga gctggagaac aagagaaagg aaagagctca 180

agctgtttat gagagaaaga agcaacttag caaactcaga gctaaggccg agaaggttgc 240

tgaagagaag cttggatctc aattggatgt tcttgcaccc gtcaagtact gaattcaatc 300

agtttatcgt atttgaatgt tttttgcaag ttttgctcag acattatact attatattac 360

gaaggtttgt tgtatgccga ttttgactaa tttaattcct tgaantccga cttacttaat 420

ttaattc 427

<210> 7282
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-A9

<400> 7282

acgcgtccgc naatctctct ctctctcttc aacccctctt ctcaatctag ggttagggtt 60

tcgattctgc tagaggtttt ttttctccca acttatactt ctaagccctc tcgtcataag 120

ccttgttgac tcttcttctt aatttgaaga acttcgtagg ctaagcatgt cgtgattatc 180

ccaaatttct ggtgtttatt caaactccat tgttacaaag attttctttg ataagttaaa 240

gcaatgtata cctccgaggc agcccctgat tttgttgttg accagggcat gtattacccc 300

gttgatgcca gttatggcta ttactgtaca ggttatgagt cacccggtga ttgggagaac 360

catcagatgt tttttggtgt agatggttca gaagtccaat acacaggtgg gcagaatgaa 420

aattctccct atatatgcta tacacctaag t 451

<210> 7283
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-B12

<400> 7283

acgcgtccgc ccacgcgtcc gcatttcgac tttggcgttt ctcgatctgt tgtttctgct 60

cccaaataaa aataaaaaaa aatcggatcg gggatttccc caaatcgtaa aattaggttt 120

tgttcttcat ttcaagccct agcttaagtt taatccgtta atccttattc attaaagggt 180

tttgattcct acctttgttt ccgcttccct ccctccgaaa ttttgcaaat tccgttatta 240

aaaggatcct aagtttttcc ggctcttgta ctacgtcaaa gtttcaaggg attccccgaa 300

gtttcgattc tcttcgtccg tgcaataacc gtgtcaagct ttacgtctgg gtctgcttca 360

tcaccaagtg gacttttccg tttgcaatta cgaattcnaa ctggttcgaa tccaatttaa 420

gaagggcaaa atgtcccccc ttcctcctgt aaccaaactc cctccctaat tgaag 475

<210> 7284
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-E3

<400> 7284

cccgggtcna cccacgcgtc cgtatcagtc cccgccgaga atcgagaagc agcagccatg 60

gccgacgtag ttcaataccg cctcgagcgg atggttgacg agcttgatga tctagaacga 120

agagaaatct tcactcgtgc tgagatagct gagatcgtga agcagcggcg taagtttgag 180

taccggctca agcgtccaag cccactcaaa gaagatttca tagcctatat tgactatgag 240

gttaagctcg atgagctccg tcagctacgg aggaaatcgg tggcgcgtgt gactaagaag 300

agaaagaaga aatcagtatc tgatttcgcc ggtgtggcta ggattgttga agatttatag 360

attggcgacg atgaggtata aaggtgatat caatttgtgg tttaggtatc tcgagttttg 420

taaacagaag aggcatggaa agaatgaaaa aggcattggc tc 462

<210> 7285
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-B1

<400> 7285

acaatccctt ttaaacacaa gaaccaactc aatacgcatc acaaagaacc ctaaattcct 60

ggaagatctc aaaaggaaaa ttcaaaacca aagcttcaag caatcatcaa gcaaaggaaa 120

agctcaaatt ttgggtcttt tatatattta tttcttaaag ttacaatctt tttgattgtg 180

gtttcagtgt acgaacacgc aagaactcgc gtgaaaaaaa ttgtatccaa gcttcgtgaa 240

aggagtctct ctgtatttag tggcgttttg ttctgttgtt atttctgaaa tattgaagct 300

tttgatttgg gtttcaagag agcagagatg tgtagtttgt cggcgattat gttgttacca 360

acgaagctga aaccagctta ttcagacaaa cgggagtaac agtagcagca gcagctcant 420

<210> 7286
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-B2

<400> 7286

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tagagacctc agaagaagag aagtttttga ttcttcgtcg agactttact cgattttgca 120

tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ttctgggttt cgattttggg 180

tgagagataa caaaccctag gtgttgtgta aatcgtgatc acatatatgc tttttgagtc 240

gacgattaga gaagacgaag aagagtagca agcaaacact atgatgaaca cttctaatgg 300

aatgatatca gcgccatctt cgtcgtcttc accggcggcg aatcctcagt cgccgggaat 360

taagacttat ttcaagacgc ctgaagggaa gtataagctt cactacgaag aaaacgcatt 420

cctccnggtc cccttcaata cgcacatggc aaaactgtta ctcaggtaac tatagctcaa 480

cnta 484

<210> 7287
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-B4

<400> 7287

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gtcttgctcc aggctctgga gttgtaacan agtacttggc aaagagtggc ttgcanaagt 120

acttgaatca gctcggcttc agtancgttg gttatgggtg caccacatgc attggaaact 180

cgggggatat ccatgaagct gtggcttcag caatagttga tnatgacttg gtggcatccg 240

ctgtgttgtc tgggaacaga aattttgaag ggacgtgttc acccgttaac aagagctaac 300

tatctagctt ccccaccgct tgttgtancc tatgctctgg ctggaactgt ngacattgat 360

tttganacac agcccattgg aactgggaaa gatggaaaac agatattttt cagggacatt 420

tggcccncna ncaanaaatt tgcggaggtt ttcaacccaa nngncctccc gggaaaggtt 480

taaacccnac ata 493

<210> 7288
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-B6

<400> 7288

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atagccaata agtttttttca atattcaaaa cataaacccc atcaaaataa tctccggacc 120

agtttctctt tcgattcagt cggaccggaa aaacantggc gtctgtgaac cctttcgatc 180

tcttggacga tgacgcanag gatcccagcc agattgttgc gtctaagcca ttgaaagttg 240

tggctccggt tcagactgcg aagtctggta agatgccgac taaaccgcct cntccntctc 300

angctgtgaa gggaggcaan ggaacntcct ngtggaggtc nggtgctggc cgtggaggga 360

gttatggtcc tggtgcacct ggtggaanca tcagggattc agggaacaat gaatggnc 418

<210> 7289
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-C2

<400> 7289

gaactgttac cctgccctta ccggnccgaa aattcccgga ttcgacccac gcgtccgtgc 60

tcataaaccc taaaaatcct ctctttttct caaccttgat tcttagccat ggagttctgg 120

ggaattgaag ttaaatcang aaagccagtt acagtgactc ctgaanaagg cattcttatc 180

cacgtttctc aggcatcgct tggagaatgt aaaaacaaga agggagagtt tgtgccttta 240

catgtaaagg ttgggaacca gaacttggtt ctgggaactc tatcgactga gaacatccct 300

cagcttttct gtgatttggt attcgacaag gagtttgagc tttctcacac ttggggaaaa 360

ggaagtgttt actttgttgg gatacaaaac tcccaacatt gagccacaag gctattctga 420

ggaagaagag gaagaagagg aagaaattcc tgccgggaat gctgccaagg ctgtanctaa 480

accaaaggct aaacctgcaa a 501

<210> 7290
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-C7

<400> 7290

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gaaggcgttg aatcctttcg ttttccgatt ccatttttgg gatctcttgt ttcgttttct 120

tctctttgga tccattccat tcccatgttc cccaatttct ttaatcggtg ttgcttccac 180

aaggcttcat gagcttgtat aacaagtttc tctaggaggt gttaaagagc cagatcaagc 240

tttcagaaga gattttctta gggtggttga gagctgaaag ttttgatatt tagtcaactt 300

tgttccactg aaccttctag gaagctacct caagtagaca gctttgttga cgggcttcaa 360

gccagtggta aagatatgct tctgtagaag ggttaatctt gagcattaaa ggacatggct 420

ttctactctg aagacgacaa gagcgaagac tacctcttta agaatgttcc taatcggtga 480

ntctgcctgt 490

<210> 7291
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D1

<400> 7291

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tcccgcttct tctctccttt gaatctttct tcgttgttct ttcactttct taaagaggat 120

gtgagattgt ttttggtact tagaaaatgg atacaccgga aaagagtgaa acccagatcg 180

gtactccagt ttctaaactc aaagtcgagg attcaccagt gtttagttac atatgcaatc 240

tctcaccaat tangactatc aaaccaattc caatcacttg tcctttaagc tctctcaatt 300

acgcatctcc ancttctgtt ttcacttctc ctcacgctgt ttctcataaa gagtctcgtt 360

tcagaagtca aaangatgtg tctgcttcta aagaagttgg agaataagaa gctttagtcc 420

gtancg 426

<210> 7292
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D3

<400> 7292

atgcccttgt atgactacat ctacggcaca atggatgaaa gcacggatac gttgtacgaa 60

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gccagaatcn atataccatt tgcgcattgg cttggcctca tttgcctcct acccccttcgc 180

ttatagatgg ttcatgcgcc ttttgtggcc tttcacctct ctctccatga nattcacgct 240

cttctangcc cgcctctttg tcgctgagag aanctccttc aacangctca acttgcagtc 300

ttgggtgata cctanatata atctacagta cttgttaaaa tggaggaaag aagcgatcaa 360

taacatgatt gagaaagcga tactggangc agataanaaa ggantgaacg tgctagtctg 420

ggtctc 426

<210> 7293
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D5

<400> 7293

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tttctcagat ccgtccggcg agttagatcc ttgagaaatc atggctccgg tctcggcact 120

cgctaagtat aagctggtgt ttctgggaga tcaatccgtc ggcanaacca gtatcattac 180

tcgattcatg tacgacanat tcgacaacac ttaccaggcc acaattggta ttgattttct 240

atcaaagaca atgtaccttg aagatcgaac ggtcagactt cagttgtggg atacagctgg 300

gcaagagcga ttcaggagtc taattccgag ctatatcagg gattcctccg ttgctgttat 360

tgtgtatgat gttgcaagca ggcagtcctt cctaaacact actaagtgga tcgatgangt 420

taggacagaa cgtggtaatg atgtcataat cntgccttgt gggaaacaaa actgatctaa 480

ntgga 485

<210> 7294
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D6

<400> 7294

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tgcgttagat ttgtcactga gccctaagaa tttggggaat tttggtctgc ttcggcgaag 180

gatcgatgga gaaatctacc aaatgtgctg tttgctacaa gtcgtttcgt ccctcaatct 240

gtgtagattg tgttaaacgc gggttaaacg aatacaaggg caaagttggg ctcntttaag 300

aatcctcngg aagnttcnta attcaaaata aattggttaa ntngtaanaa aggagaaggc 360

atttatccaa cgtttnttgg aaggagcttc anaatgagna ancttgcnaa atttgcggga 420

aaaagcttaa gctacaag 438

<210> 7295
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D7

<400> 7295

ttaccgggcc aaaattcccg gnaccaccca cgcgtccgcn ccctcttcat gcccttgtat 60

gantacatct acggcacaat ggatgaaagc acggatacgt tgtacgaaga aaactctaga 120

aagaggagat gatatagtgg acgtggtgca cttaactcac ctgacgacgc cagaatccat 180

ataccatttg cgcattggct tggcctcatt tgcctcctac cccttcgctt atagatggtt 240

catgcgcctt ttgtggcctt tcacctctct ctccatgata ttcacgctct tctacgcccg 300

cctctttgtc gctgagagaa actccttcaa caagctcaac ttgcagtctt gggtgatacc 360

tagatataat ctacagtact tgttaaaatg gaggaaagaa gcgatnaata acatgattga 420

gaaaagcgat actgganggc anattagaaa ggagttaagg tgcnt 465

<210> 7296
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-D8

<400> 7296

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agagacggaa aataccatcc ggtgaaggtt atcgagcgcc gaaagaatta taatggtggt 120

cacaatgatt acgagtacta cgttcattac acagagttta atagaagatt ggatgaatgg 180

attaagcttg aacagcttga ccttgattca gtagagtgtg ctttagatga aaaagttgaa 240

gacaaggtga ctagcttgaa gatgaaatct atcgaagctc tactttgtca atgtttgagg 300

tggatggcaa gaagaataag gtctatgcac agaacctctg ttatctggca aagttatttc 360

ttgaccacaa aactctttac taagacgttg atttgttccc tgttctanat tcctctgtga 420

atgtgatg 428

<210> 7297
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-E1

<400> 7297

acgcgtccgn agcaaacttc aaaaggtaac atgataaaaa ggtttgctgc ttgggtttga 60

cttcattact tgctctccct gggggtcaat tccccgatga agcgctgcag cgtgttttca 120

gggcaacact tgatcttcta gttgcatata agaatcagct agctgaagca gctaaggaga 180

canaagtann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca caaagtgtta 300

aactgcagaa gttagctgca caggcaaang ccttccactn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnca gtttcantca cccatccgat gaagtggatg 420

cctttgtaat cnttgtccat gcaatc 446

<210> 7298
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-A8

<400> 7298

accggtccan aattcccggg tccacccacg cgtccgcnca cgcgtccgac gagacagatt 60

tgattccatt tttattactg ttactatcat ccaaaccctt ggtatttgta gccatgagtc 120

ttgtttcaga tctcatcaac cttaacctct cagactccac tgacaaaatc attgctgaat 180

acatatgggt tggtggttct ggaatggaca tgagaagcaa agccaggact ctacctggac 240

cagtgactga cccttcgcag ctaccaaagt ggaactatga tggttcaagc acaggccaag 300

ctcctggtga agacagtgaa gtcatcttat accctcaagc catattcaag gatcctttcc 360

gttgaggaaa caacattcnt gtcatgtncg atggcgtaca ctccccgcgg ggtgnaccaa 420

tccccgacta acaaaangac acgctgcggg taaaggtctt agcaancctg atgttgca 478

<210> 7299
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E8

<400> 7299

acgcgtccgc ccacgcgtcc gcagatttcg aaaaagctct ctttttttttt tctccttcgt 60

gttacacaac catttctaga tatcattttg gtgattaagt tatttaagaa atggctgatc 120

atttgagttt atgtaccgat cgtctcataa catctgagag cttggactca gagaaagatt 180

cagattcttc aggagaaagt tcttaccggc ctcaaggcac agacttggct tcttcatctg 240

tgaatgaaac tgaggttcct agagagtact acgcggttgc ggatgaggaa gaacctcttc 300

tccaatctgt tgagtgtcgt atttgccaag aggaagatag tactaagaac cttgaagctc 360

cttgtgcttg taatggtaag tttaaagtat gctcaccgca agtgtgttca gcgttggtgt 420

aatgagaaag gngacataac cctgtgaaat aagtcaccaa cc 462

<210> 7300
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E9

<400> 7300

gagcgtccta aagtganata caattcagat acaggtaagt acgtgntgtg gatgcatatc 60

gangatgcaa actanacnaa agcttcggtt ggtgtancca ttancgataa cccaacaggt 120

ccattcgatt acttatacag cagatcgcca cacgggtttg atagtaaaga catgacagtc 180

tacaaagacn atgataacgt accctacttg anatattcat cataggacaa cagcgtgctg 240

catatcggtc ccctgaccga gaattacctc gatgtgaagc cgggtaatga agagaatcat 300

ggtgggacaa cacaganaag ctccggctat cttcaaacat canaacactt actacatgat 360

cacgtctggt tgcaccggga tgggcacnaa acnaagcatt agctcatg 408

<210> 7301
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-F10

<400> 7301

ccgggncgac ccacgcgtcc ngaccattgc attgcttcat ctctgatctt cttcattctt 60

tttgttaact ttggttctac cctaaacttg tctcctgcaa ccatcggttg ttcatgctct 120

ctgtttcatg gtgcgatgaa ggagatgggc aaattgggag gagaaacaag gcagtgagaa 180

agctgtggga gttggatctt gtgtacctca catggaccga ggtttcagta cacccggacg 240

caccaatgga ttggaacgcc acatatgtct cagaccagaa catactaatg ggaattgaga 300

tgttcaagat ctttgggcag gtattaagtt tcttcactgt ctgcgatgta ttaactgaag 360

aagcctcttg gagacatgtt tcgaggaacc aaagggagtc aaaaacttaa tctatcttgt 420

acgaaca 427

<210> 7302
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-F5

<400> 7302

gtancggtcc ggaaattccc gggtcgaccc acgcgtccgc ggacgcgtgg gttggacaac 60

acaaacatag acctcgttgc agaacgcgag aaggtggtgt ctttaacaag gcagattgag 120

tcacttggta ctgtcaaaga gaagaattta gtgatggaaa aagaaactca ggagtataag 180

gagatgctgg aggaatcaga aaagtgtcgg gtgcttttag aggagcagat ttcgcagctt 240

gaaagtgatt ccaacgagaa tattagagag ctctgtagca aggtggacat tgcatatgcc 300

aagttggcag aagaggttga gaagactgcc tcattggtta gaaaaagtga gtctattgat 360

ctaaacgaag agcataggca acgggagctt gatcattaca aggaaatgct tgaggagtct 420

accaaaactc aacttctctt gcaagagaaa gttgtagatg tggaaaacga ctcnaagagg 480

aaacttgctg 490

<210> 7303
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-F7

<400> 7303

taccnagtcc ggaaattccc gggtcgaccc acgcgtccgg tcattgccaa gtggggttca 60

aggtcttgga atggggttac cagatatgag gagtaagaan aaaggaaaga aaaagattgc 120

taaagaggac catgttactg aggcacttga taaactcagg gaacaaacta gagaaactgt 180

gaagggactt gagtccttgt catcgaagca gcaacctaca ggttctgatg atgctatggt 240

tgaagattgg atcaagcaat tcgagaatct tactgggtct aacgacttgg agtcgatagt 300

ggacacgatg atgcaacagc tgttatcgaa ggatattctt cacgaaccaa tgaaagagat 360

tggtgcaaga tacccaaaat ggctagaaga gcatgaatcc agtctaaaca aggaagaatt 420

cgatcgttat tcacgccagt atgaacttat caaagaactc aacttggtgt acganaacga 480

accaaacaat t 491

<210> 7304
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-F8

<400> 7304

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gaaaggacct tgtaacggca agaagcttag gtgtcctgct aagtgtttca aatcttttag 120

ccgctccggg aaaggatacg gcggtggagg tggcggtgga ggatgtacta tggattgtaa 180

gaagaagtgt atcgcttatt gttaagatat aataaagatc acatcatctt tataatatat 240

agtcattatg atggttatgt attttctatg ttatagccta tagattatga gatcatgagg 300

atccttttgt cttgattcga tttgtagcag ttttatatgc ataatatatg gttgtgatgn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnngg 425

<210> 7305
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G1

<400> 7305

attgaaagac agagtgttag gggtccaaca gagtttctga gttcgtgttg cttgtgtaag 60

angaaacttc aaggcaatng acatatacat gtacaaagga gagatgggat tttgtagtgc 120

cgaatgcaga tcagtgcana taatgaatga cgaacgacaa gngcaatgtn aaacgcangt 180

ttcaagaaac gccgacgttt tgagctctcc ttacgccgcc ggacagagat tatctgccgg 240

agtattcgta ttttaggatg atcacaattc acaataatac gaagagnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nangtganat ttttggttag gttaaaaagc acattgtana 420

naaagttttg ctttttggta anttttaata cc 452

<210> 7306
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G10

<400> 7306

gactcccggg ncgacccacg cgtccgtgat aacaccgatc catctctttc tttctctctc 60

cgtcgactct cgttcttaaa gatgaaagct ttctacgtat tcgttgttgc tcttcttctc 120

accttgaatt ataggggaga agcaagtggt tctgttttct tcattgatgg atccaacaat 180

caatatcttc gtccacgatc atccagtgag gcacttccca tgtcgcctgt tgaaatatct 240

gcagcagtgt ctgccttgtt gggttttgca ccttcagcaa ctttgacagc tgatggctca 300

tccangttga acaagattct aanncctant ccatttggag aggcctncgc gctgcttttg 360

tgctagaant cgntggagct gatgatatgc cttttggaaa acctccctag tcattcntt 419

<210> 7307
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G12

<400> 7307

tggctctctc tcttcctaag tttcctctct ctttagaact gtagagagag aaaagcctcc 60

atttttctca aggcaatctc tctctctctg cctcatctca taaacncatt acacnanaac 120

ctcatcgtag agagagaaan acaccaacca ttgttacact ctaagagaag agaagagaga 180

aggaaaaatg gacggtgtat caccaaagtt tgtgttgccg gagacattcg acggcgtgag 240

gatggagatc acaggccaac taggcatgat ctgggagctt gtaaaagcac cagtgattgt 300

ccctcttctt caattagctg tttacatctg tttgcttatg tctgtcatgc ttttatgtga 360

gagggtttac atgggaatcg tcatcgtcct cgtcaaactc ttc 403

<210> 7308
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G2

<400> 7308

ntggttaacg tgcctacgcc ccggaattcc aagtcgaccc acgcgtccgc ccacgcgtcc 60

gcagatttcg aaaaagctct ctttttttt tctccttcgt gttacacaac catttctaga 120

tatcattttg gtgattaagt tatttaagaa atggctgatc atttgagttt atgtaccgat 180

cgtctcataa catctgagag cttggactca gagaaagatt cagattcttc aggagaaagt 240

tcttaccggc ctcaaggcac agacttggct tcttcatctg tgaatgaaac tgaggttcct 300

agagagtact acgcggttgc ggatgaggaa gaacctcttc tccaatctgt tgagtgtcgt 360

atttgccaag aggaaagata gtactaagaa ccttgaagct ccttgtgctt gtaatgggta 420

gtttaaaagt atgctcaccg caagtgtgtt caagcgttgg tgtaatgaga aaggcgacat 480

aaccctgtga aatatgtcac cagccttatc a 511

<210> 7309
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G6

<400> 7309

acgcgtccgg tggtgataga ttcacctcct gcttccttct gaggggggtta gccccgaggc 60

tcttcgcctc ggcgggtttc aaattccccc aaatctaaca aactcacaga ttcattttct 120

ccatttttttt tgtttgttga aaatttgaat ccacaaattt tgaattcatt tgtaaccgtt 180

cgttgaagaa gaagaagatg cctgctctag cttttgttga tactcccatc gataccttttt 240

ccagtatctt tacaccgtcg tctgtttcca ccgccgttgt tgacggttcc tgccattggt 300

ctccgtccct ctcctcctct ctttaccgta tcgacggatg gggaagctcc gtatttcgca 360

gcgaattcct ccgggaacat ctctgttcgt cctcatgggt caaacacttt acctcaccaa 420

gacatcgatn tgatgaaagt tgtgaagaaa gttacagatt cga 463

<210> 7310
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-G8

<400> 7310

ccacgcgtcc gcgcnatcgt tgagattagt attcgtcaag ggtccaagag aaggcgatgc 60

tctagattac aagcctggat ctacgattcg tgttggtcga atcgttcgtg gtaatgaaat 120

cgcaattaaa gacgctggaa tctcnactaa gcatcttcgg atcgaatcgg attctgggaa 180

ttgggtaata caagatcntg gatcttccaa cggtacttta ttgaattcga atgctcttga 240

tccagagacg tcggtaaatc tcggagatgg gcgatgttat caaactangt gagtatacat 300

ctattttggt gaattttgtg attgatgatt ttcangagan naagcttacg angaacaatt 360

nggcgtcagg ctaatgccaa ggaanccaag ttagggtttt aagaaagtat ccatttgggg 420

ggatatcact gaaggaaaga aaaggggttt gggatnttga aattt 465

<210> 7311
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-086-Q1-E1-G9

<400> 7311

cggcgacaag attgatttga aggacggtga agcaacaaca ccaccaaaaa cagatatcga 60

gtcacagatt ctcgcggcta tgcagtcccg agtaacctac ctcagagata aagcagacaa 120

cttcaccttt gaaggtgtgc ggaggttgct ggaggaggat ctgaaattgg agaaacatgc 180

tttggatgtg cataagagct ttgttaagca acatttggtt cagtgcttag caggtgctga 240

gaatgatgaa acttcagaaa attctctaga aactgagaag aaagatgatg taactccagt 300

gaaagaagca gcaagagtta tctaaagagc acacgacgaa aaaagatggt aaggaagata 360

tgactgggtg atgatgagaa aacaaaag 388

<210> 7312
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-H11

<400> 7312

ttgttatgat tattttcgca acataatgga ggagttcacg actgagaagt ctccatcttt 60

gacggtttat gtccctctag ttgctggggc aatagcacgc tccttggctt gtatctcttg 120

ttaccctgtt gagttagcaa ggacacggat gcaggcattt aagggaacgc aaagaaatgt 180

gaaactgcct ggcgtttgga agacattagt tgacgtcgtc aatccagtga agggctcaaa 240

taatggatat aggatgttat ggactggtct tggtgctcaa cttgctaggg atgttccatt 300

ctctgcaatc tgctggtcga tacttgagcc tacccggaga agcattcagt cggccatggg 360

tgaagaacca agggcangca ntntaataag tgcaaacttc gc 402

<210> 7313
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E7

<400> 7313

ttcccgggtc gncccacgcg tccggaaaat ttgtttatct atgagtgatt ttgacatggc 60

atttacagtt catccagaaa gctggaatcc gatgtggtct gtatcaagca tacttacagg 120

acttctctca tttatgatgg ataccagtcc gacaactgga agtgttaaca ctactgtaat 180

tgagaaacaa cggttggcta agtcatctct cgctttcaat tgtaaaaccc cagcatttcg 240

aaagctattt ccagagtatg tanagaagta caaccagcag caactanctg agcaagctac 300

cacacaactg acaacaccag agtctcctca aaagagcgat accaaagtcg agtcagagaa 360

aaccatcgat ccaacaaagg gagattcaga aggtggcttg aaagaganga aaaagaacaa 420

ttaaacaagg attgccaacg tggataatac tgttgctaat gtccggtttc ggtgtg 476

<210> 7314
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-C5

<400> 7314

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gacgcgtggg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnngg gatacacaaa tgtgtccatt ttattaggcc 180

tgttgatggt ctttgttaca ccgatggtgt tcgcagatga tgtgacacca atcccagatg 240

gtaaaactaa gggagcacaa gctttatcca tgagaatctc cggaaatttt gctgctttct 300

acaactgcaa attctacggt ttccaagaca caatctgtga cgatacagga aaccatttct 360

tcaaggattg ttacgttgaa ggaacattcg atttcatctt cggaagtgga acctctatgt 420

acttgggaac acaattgcac gtggttggag acggtattag agtgatagca ncgcatgcan 480

gaaagagcgc agaagagaag agtggata 508

<210> 7315
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-C6

<400> 7315

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tggatcactt gcacgagtgt gatgcggaga agaaagaata tctaggttgt cttaagtctt 120

cagctcacaa atctgaacaa tgtagacatc tctctaagaa atatctccag tgtcgaatgg 180

ctaagaactt gatggcaaag caggatatgg ctgaacttgg attcagtggt gttaaagaac 240

ttgattccac tgaagataag aatacagaga gtatcgaaca ttgaaaggtt gaccaaaaaa 300

ctttgagcct cattttgtaa aattttggat taacattggg atagcatttg agattttagg 360

tcctaaaacc caactactat gaaagtatat gcttcagatt caccaatttt tatacgtatg 420

tattcctgtg tgaaataaag cattatacaa aananaaaaa aaaaagggcg gccgct 476

<210> 7316
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-C8

<400> 7316

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aactaaccgg agcatgaaga gacgaagatc ggcgaagaaa tctccggcga tggtgacggt 120

taccgattgg aaagggttag attgcggcga agagacgaga atcgtaagga gattgatgaa 180

gttcgaagac ttgcctgagt atttgaagga caacgagttt atacacaacc attatcgatg 240

tcaatggtct ctcaaagata cttttctcag tgctttctct tggcacaacg agactctcaa 300

catttggacg catttaattg gatttggtat atttctgtgg atgacggtgg tgagttgctt 360

ggagacgacg gagattagtc tcgccggcgt ttttaacggc atggccggag tgaggatttg 420

cctctcaagc aatcaagact ctgcttcatg antcgaacgt gacacatcac atcctcatgt 480

cctaactcac aaa 493

<210> 7317
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D1

<400> 7317

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agattttgtc tcctgggttt tttgggagag aaatcagtcn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn natattctac 240

aacttcaagg tccttctacc taatggcact agtgtgaaac tcacactgaa aaacccagaa 300

ccggagatct cgatgcagtc ttttgtcaac ttggtgaaga aggagtatga taatgcacga 360

aaagattgtc ttttgatgtc taagaggatg aaggttgatt ggaactcaag cggaaagttt 420

catctgggag tcaaatggtg ggaagatgaa aggcattgtt cgctttgctg cgtttaagcc 480

tgacttgtgc cacataatac gtcntg 506

<210> 7318
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D12

<400> 7318

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gagatggagg aaaaacgacg cgattctgct ggaaccctag cttttgctgg tagctctgga 120

gattctccgg catctgagcc gatgccggcg ccacggcgac gcggcggagg tttgaaaagg 180

aaagcgaatg ctcttggggg ttctaatttc ttctcttctg cgccgtcgaa gaggatgttg 240

acgcgtgaga aggcgatgct tgcttctttt tctccggtac ataatgggcc tttaactaga 300

gctcgtcagg cgccgagtat tatgccctcg gcggcggatg gggttaagtc ggaggttttg 360

aatgtancgg tgggtgcgga tggagagaag cccaang 397

<210> 7319
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D2

<400> 7319

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aagcggacgg agcaatgctc tgctagatct atctttcttt caattcttca ccagagatcg 120

tcgagactca ccattgaaat cgaagaaaca gcaccaattt ccacttcacc accgaaagag 180

agagacagag aggataataa aaggccgcca tggatttaga tcaatggatt tccaaggtta 240

aagacggcca acatctctct gaggacgagc ttcaacttct ctgcgaatac gtgaaagaaa 300

ttcttattga ggaatcaaat gtacaacctg tcaacagtcc tgtcaccgtc tgtggtgata 360

tccatggcca gtttcatgat cttatgaaac ttttccaaga ccggaggtca tgttcccgag 420

accaattaca tatttatggg ggatttcgtt gatagaggtt acaacagtct tgaagttttc 480

accattcttt tgcttcttaa aagcaagaca 510

<210> 7320
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D5

<400> 7320

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tgtggaacag aacattttgg tgactggtgg tgctggattc attggaacac atactgttgt 120

tcagcttttg aatcagggtt ttaaggttac gatcattgat aatcttgata actctgtcgt 180

tgaagctgtt catagggtta gggaacttgt tggtcctgat ctctctacca agcttgaatt 240

caatctgggt gatctaagaa acaaaggaga tattgagaaa ctcttttcca atcagagatt 300

tgatgctgtg attcactttg ctggtcttaa agctgtggga gaaagtgttg gaaaccctcg 360

tcgttacttt gataataact tagttggaac tatcaatcta tatgagacca tggcaaaata 420

caactgcaaa atgatggtgt tttcgtcgtc tgcaacagtt tatggtcaac ctgaaatagt 480

cccatgtgtg gaagactttg agt 503

<210> 7321
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D6

<400> 7321

aactgttcgc ctggcncgta ncaagtccga aaattcccgg gtcgacccac gcgtccggcc 60

ttgttatgat tattttcgca acataatgga ggagttcacg actgagaagt ctccatcttt 120

gacggtttat gtccctctag ttgctggggc aatagcacgc tccttggctt gtatctcttg 180

ttaccctgtt gagttagcaa ggacacggat gcaggcattt aagggaacgc aaagaaatgt 240

gaaactgcct ggcgtttgga agacattagt tgacgtcgtc aatccagtga agggctcaaa 300

taatggatat aggatgttat ggactggtct tggtgctcaa cttgctaggg atgttccatt 360

ctctgcaatc tgctggtcga tacttgagcc tacccggaga agcattcagt cggccatggg 420

tgaagaacca agggcaggca gtataatang tgcaaacttc gctgctggtt ttgttgcggg 480

tgcaattgct gcagcagcta cttgccct 508

<210> 7322
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D8

<400> 7322

ctgttccgcc tggccgtacn agtccggaaa ttcccgggtc gacccacgcg tccgtggtgg 60

ggttttgggt gaggagggat tgccgttgaa tggtgttgaa gctgatcggc cgaagaaagt 120

tttgattttg atgagtgata ctggtggtgg tcacagagct tctgcggaag ccattagagc 180

tgcttttaat caggagtttg gagatgagta ccaggtgttt attacggatt tgtggacaga 240

tcatacgccc tggccgttca accagcttcc caggagctat aattttctgg tgaaacatgg 300

aactctgtgg aaaatgactt attatggtac atctccacgc attgttcatc aatctaattt 360

tgctgcaact tccactttta ttgccaggga atcgcccaa gggttaatga aatatcaacc 420

aagatatcat aatcagtgtt catccgttga tgcaacatgt cccacttcgt gtcctaagat 480

caaaaggctt gcttaagaaa atcgt 505

<210> 7323
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-D9

<400> 7323

acgcgtgggc tcaagatcaa aaaaaacctt cgtgtgcgtc tctcgtcntc taaattgtcn 60

aaaatgctgg ctaggctcgc tgcgaagcgt cttctcgaga tccgtcaagt tttccgtcaa 120

cnaacctctc aggtgactcg tagcttatcg acggccttaa actancatct ggattctcct 180

gataacaaac ccgatcttcc atgggagttt tcagaggcta accaatctaa ggttaaggag 240

attctctctt actatccatc caattacaag cantccgcag ttattcctct cctagatctt 300

gcacaacagc anaatggang ctggctcnct gtttcagcaa tgaatgcggt tgctaaagtt 360

atagnagttg cccctatccg tgtttatgaa ggttgcaaca ttttactcaa tg 412

<210> 7324
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E3

<400> 7324

acgcgtccgg acnagagtat ctgcagaaac taacttacct gtgttggnac caccataaag 60

ccattangca cattgacaca gtgagggcat acacatttgg ctctcattat tttgtggagg 120

ttgatattgt tctcccagct gacatgcctc tgcaggtggc tcacgacatt ggagaatcgc 180

tgcaagagaa gctcgagcta ctanaggaga tcgaacgggc ttttgtgcat cttgattatg 240

agtacactca caaacctgag cacgctagat cccactgtta nctgtttatc ctttttaaag 300

atctctacgt ntcnananct ttacanatta ntcttcactg tattgttgtt tagtagacaa 360

ttgtgagata aaggaatacc tttgtaacta aganaancnc ncanaaaagg 410

<210> 7325
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E4

<400> 7325

acgcgtccgc ccacgcgtcc gcagatttcg aaaaagctct ctttttttt tctccttcgt 60

gttacacaac catttctaga tatcattttg gtgattaagt tanttaagaa atggctgatn 120

atttgagttt acgtaccgat cgtctcataa catctgagag cttggactca gagaaagatt 180

cagattcttc angagaaagt tcttaccggc ctcaangcac agacttggct tcttcatctg 240

tgaatganac tgaggttccn atagagtact acgcggttgc ggatgaggaa gaacctcttc 300

tccaatctgt tgagtgtcnt atttgccata naggaagata gtactaagaa ccttgaagct 360

ccttgtgcnt gtaatggtag tttaaagtat gctcaccgca agtgtgttca gcgttgggtg 420

taatgaagaa nngcgacata acctgtgaaa tatgtcacca gccntat 467

<210> 7326
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-E5

<400> 7326

acgcgtccgg ttngactcgt tgatcaacga aagtgtgagt ttgaggtgaa agatgacggc 60

gacgatagat cggaggttat caacgctgaa tccaaacgcg ccggtgtttg atccggtgga 120

atttcgtgag gtggaggatt tttcaccgaa atggtgggat ctagtaacga cttcgaaatg 180

gttccgtgac ttttggctca ntgctaactc tgagaatgag ttcctcggcg gcgacgattt 240

ctcagttatg gaagaagagt tcgaggagat gatcgcatcg tctgatggtg gatccatggc 300

tgatacagtt acagaagcag atgtggctag ttatttgaag atgcttttga acatagcgga 360

gtctacgaaa gagaagattt atagatcgaa ggtttcgtcc tgttcancaa aagtataatc 420

aagaagaagt acatgaatcc gaactttaat tgtcnccgga 460

<210> 7327
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-C3

<400> 7327

ccttgntcta cgcctccgga aattcccagg tcgncccacg cgtccggtta agcaanactg 60

agtttaatgt gcttattctt ggtatcgaca aagctgggaa gacgacattt ttgganaaac 120

tgaagacgat atactcaatc tcggaaggtc ttcctcatga tcgaattgtt cctactgtgg 180

ggcttaatat tggtcgcatt gaantctcca atgctaaaat tgtgttctgg gatctgggag 240

gtcagcctgg tttgcggtct atttgggaga aatactatga agaagcacac ncgttgatat 300

atttgattga tgcagcttgc ccaacccgct ttgaagattc taaatctgct ttagaaaaag 360

ccctgcngca tnaggatttg caangagccc ctcttttaat attggcaaac aagcaagacc 420

tcacaaatgc tgtatcggct gaagaactgg accgatanct tgatttaaag aaattggatg 480

aaanagtgta catgtttga 499

<210> 7328
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-A2

<400> 7328

atgtccnccg cactacgccc cgatatccan gtcgcccacg cntccgtaaa acatgtacca 60

ccaganaagg gcattttccc ttnggttnac ttgcacgagt gtgctgcgga gangaaagat 120

natctaggtt gtcttaagtc ttcagctcac aaatctgaac aatgtanaca tctctctaag 180

aaatatctcc agtgtcgaat ggctaagaac ttgatggcaa agcacgatat ggctgaactt 240

ggattcagtg gtgttaanga acttgattcc actgaagata agaatacagn gagtatcgaa 300

cattgaaagg ttgaccaaaa aactttgagc ctcattttgt aaaattttgg attaacattg 360

ggatagcatt tgagatttta ggtcctaaaa cccaactact atgaaagtat atgcttcaag 420

attcaccaat ttttatacgt atgtnttcct gtgtgaaata aagcattatn caaannangn 480

naaaaaaagg gcggccgctc taa 503

<210> 7329
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-A4

<400> 7329

ccaaggtngc cccacgcgtc cggaaaataa gaaaaaacan aagatgaaaa ccattatcct 60

ttttgtaaca tttcttgctc tttcttcttc atctctagcc gatgagacag agactgaatt 120

tcattacaaa cccggtgaga tagccgatcc ctcgaaatgg agcagtatca aggctgaatg 180

gaaaatttgc gggacaggga agaggcaatc gccaatcaat cttactccan aaatagctcg 240

cattgttcac aattctacag agattcttca gacatattac aaacctgtag aggctattct 300

taagaaccgt ggattcgaca tgaaggttaa gtgggaagac gatgcangga agatcgtgat 360

caatgatacc gactataaat tggttcaaag ccactgggca cgcaccttca gagcattttc 420

tcgatggaca agaggttggc aatggaactt cacatggtac acaaaagtgt tgaanggcac 480

tt 482

<210> 7330
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-086-Q1-E1-A5

<400> 7330

acggtttncc tggccctagg gccccaaaat ccgcanangc ccgggtngcc ccacgcntcc 60

ggtttagcaa gactgagttt aatgtgctta ttcttggtat cgacaaagct gggaagacga 120

catttttgga gaaactgaag acgatatact caatctcgga aggtcttcct catgatcgaa 180

ttgttcctac tgtggggctt aatattggtc gcattgaagt ctccaatgct aaaattgtgt 240

tctgggatct gggaggtcag cctggtttgc ggtctatttg ggagaaatac tatgaagaag 300

cacacgcgtt gatatatttg attgatgcag cttgcccaac ccgctttgaa gattctaaat 360

ctgctttaga aaaagccctg cggcatgagg atttgcaagg agcccctctt ttaatattgg 420

caaacaagca agacctcaca aatgctgtat cggctgaaga actgggaccg ataccttgat 480

ttaaagaaat tggatgaaag agtgttcatg tt 512

<210> 7331
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-A6

<400> 7331

acgcgtccgt ganaacaccg atccatctct ttctttctct ctccgtcgac tctcgttctt 60

aaagatgaaa gctttctacg tattcgttgt tgctcttctt ctcaccttga attatagggg 120

agaagcaagt ggttctgttt tcttcattga tggatccaac aatcaatatc ttcgtccacg 180

atcatccagt gaggcacttc ccatgtcgcc tgttgaaata tctgcagcag tgtctgcctt 240

gttgggtttt gcaccttcag caactttgac agctgatggc tcatccaagt tgaacaagat 300

tctaaaacct aatccatttg agaggcctcg cgctgctttt gtgctanaaa tcgctgggag 360

ctgatgatat gcttttggga aacctccccc taagtcattc cttcctgggc aatgccataa 420

aggagcaant attaaagttc ngattcgtac aaaagctgat aactgaaact 470

<210> 7332
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-A8

<400> 7332

ttattaataa acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngga ttgtgtttag 120

gagttaaaaa cttgctttgg tccatcatga gattgcttct tagtctcttg tttctcttgg 180

ctttaaccac ctacncaagt gcancttatt gtctatgtag agatggtgtt ggagagaaag 240

atcttcaaac atcgatagat tatgcatgtg gagttttaaa agattgtaat cctattcatg 300

agaaaggtcc ttgttatcaa ccaaacacca tcaagagtca ttgtgattgg gcggttaata 360

nttatttcca aagatttggt caaatctctg gaagctgtaa tttcncagga actgctacta 420

ccagccaaaa tcttccttca actgtg 446

<210> 7333
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-B1

<400> 7333

attcgcccca ggcctccggt tttgttgaat tgaagggcat cacactagaa aaccacaggc 60

ggctgtgaag cctgatgctt tgaaggagcc tccatctatt gatgtgcctg cattgtcatt 120

ggatgagttg aaagaaaaga ccgataactc tggatcaaag tcattgattg gtgaaggatc 180

ttacggcaga gcctattatg caaccttgaa agatggaaag gctgtcgcgg tgaagaagct 240

tgacaatgca gcggaacctg aatcaaatgt tgagttcttg actcaggtct ctanggtttc 300

caagctgaag cacgataatt ttgttgagct cttcggttat tgtgttgaag ggaatttccg 360

cattcttgcg tatgagtttg ctactaaggg atctttacat gacatcctac acgggangaa 420

aaggatccaa ggagcaaaac caagtcctac ccttgactgg gatcaaccgg tc 472

<210> 7334
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-B4

<400> 7334

ttccaaggtn gccccaggcg tccgaannga gtcncttacg cccagagaga gagagagaga 60

gaggcttgtt tgttttctct cctctaagaa acaatcagtc tcataaagtg gcaaagatgg 120

ttgcagaacg atacacagtc gatttgnnta agccacttgt gtttcaggtt ggtcatcttg 180

gcgaagaata tcaggaatgg attcatcaac ctattgtatg cgttgagggt cctcgttttt 240

tcgaaagtga tttttgggag tttttgactc gcacggtttg gtgggcaatc ccaacaatct 300

ggcttccagt tgtttgctac gttctttcaa tatcggcgaa gtaagggact tacgtttccc 360

cagatcggtt taatagttgc ttttggtgta ctcacgtngg acactgctcg agtacacgct 420

tcatcgcttc cttttccaca tccaaaccaa gagttactgg gcaaacactg cncactaatc 480

ctt 483

<210> 7335
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-B6

<400> 7335

acgcgtccgg ccntgttatg attattttcg caacataatg gaggagttca cgactgagaa 60

gtctccatct ttgacggttt atgtccctct agttgctggg gcaatagcac gctccttggc 120

ttgtatctct tgttaccctg ttgagttagc aaggacacgg atgcaggcat ttaagggaac 180

gcaaagaaat gtgaaactgc ctggcgtttg gaagacatta gttgacgtcg tcaatccagt 240

gaagggctca aataatggat ataggatgtt atggactggt cttggtgctc aacttgctag 300

ggatgttcca ttctctgcaa tctgctggtc gatacttgag cctacccgga gaagcattca 360

gtcggccatg ggtgaagaac caagggcagg cantataata ngtgcaaact tcgctgctgg 420

ttttgttgcg ggttcattgc tgcancagct acttgccc 458

<210> 7336
<211> 460

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-086-Q1-E1-B7

<400> 7336

acgcgtccgc acattgtgtc ttcatggact ggtattcctg ttgagaaagt atcaaccgat 60

gagtctgacc gtctcctcaa gatggaagaa accctccaca aacgtatcat aggccaagac 120

gaagctgtga aagccataag ccgagccatt cgccgtgcac gtgttggact caagaatcct 180

aaccgtccaa tcgctagttt catattctcg ggtccaaccg gtgttgggaa atctgagctt 240

gccaaagctt tagcagctta ctacttcggt tccgaagaag ccatgattcg tctagatatg 300

agtgagttca tggagaggca cactgtctcc aaactcatcg gttcacctcc tggatatgtc 360

ggatacaccg aaggaggtca gttaacagaa gcggttagac gtcgcccttа caccgtcgtt 420

ctaatccgat gagattgaaa aagccatcca agatgttttc 460

<210> 7337
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-B9

<400> 7337

cacgcgnccg gtaacggtca nnnattcccg ggncgaccca cgcgtccngg aattagagct 60

tgctcttccc taggccatct tcttaatgag atttttgaag ttgttgtaga gccaaagctt 120

gtgcagccca catttgtctt ggactaccca atcgagatat ctcctttggc caagccacat 180

cgcggcaatg ccggtttgac tgaaagattt gagctgttca tctgtggtcg tgaaatggca 240

aacgcattct ctgaattgac tgatcccgtg gaccaagagg acacggttgg aagagcaagt 300

aaggcagcat aacgcaaaga gagcacaggc tgttcgggaa tctcctgaac caaacgcaaa 360

gaaagatgat gatgatgatg agtcatacga agttgaccct tgacgaagac tttctcactg 420

ccttgggaat acngaatgcc tccgggcttc gggaatgggg gcttggaat 469

<210> 7338
<211> 404
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-086-Q1-E1-C10

<400> 7338

acgcgtccgg agaaaacgaa actaaccgga gcatgaagag acgaagatcg gcgaagaaat 60

ctccggcgat ggtgacggtt accgattgga aagggttaga ttgcggcgaa gagacgagaa 120

tcgtaaggag attgatgaag ttcgaagact tgcctgagta tttgaaggac aacgagttta 180

tacacaacca ttatcgatgt caatggtctc tcaaagatac ttttctcagt gctttctctt 240

ggcacaacga gactctcaac atttggacgc atttaattgg atttggtata tttctgtgga 300

tgacggtggt gagttgcttg gagacgacgg agattagtct cgccggcgtt tttaacggca 360

tggccggagt gaggatttgc ctctcaagca atcaagactc tgct 404

<210> 7339
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-086-Q1-E1-C11

<400> 7339

gtttcaggga atggattgca aaaagttgaa acgcgaggcc aagcttaagg gaggtttcta 60

tgttgaccct gaagctaagc tcttgttcat catccgtatc cgtggtatca atgccattga 120

ccctaagact aagaagattc tccagctctt gcgtttgaga cagattttca atggtgtttt 180

ccttaaagtc aacaaggcta cgatgaacat gcttcgccgt gttgagccct atgtcactta 240

cggattccct aacttgaaga gtgtcaagga attgatctac aagagaggtt acggaaagct 300

taaccaccag aggatagctt tgactgacaa ctctattgta gagcaggctc ttggaaagca 360

tggtatcatt tgcactgagg atttgattca cgaagattct aacagtagga cc 412

<210> 7340
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-C2

<400> 7340

tangcctccg gaaattccaa ggtcgnccca cgcgtccgca aaaacaaaac ttaagggaaa 60

gataatcgtt tgtctgtgca gagagagaga gagagaaaat gaggttgttc gatccatggc 120

cagtgttctt caagagagaa tggaaacgtt gctggccatt cctcaccggt ttcgccgtca 180

ccggcgttct catcaccaag ctaaccgccg gactcactga ggaagatgct aagaactcca 240

agttcgtcca gcaacacaga aggtgattca ctgaagcaaa atgtagaagc tgacaaggca 300

tatagatttg ggactatagt gaatgcttca gctttgaaac atgttcaata acaaagaaga 360

tcattctata tactctttta ttttctctga gtttcgaaat cagcttttcc ttttctgaaa 420

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ttatggcctt tttga 495

<210> 7341
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-A12

<400> 7341

acgcgtccat aagaccaata ccaccagaga agggcatttt ccctttggat cacttgcacg 60

agtgtgatgc ggagaataaa gaatatctag gttgtcttaa gtcttcagct cacaaatctg 120

aacaatgtag acatctctct aagaaatatc tccagtgtcg aatggctaag aacttgatgg 180

caaagcagga tatggctgaa cttggattca gtggtgttaa agaacttgat tncactgaag 240

ataagaatac agagagtatc gaacattgaa aggttgacca aaaaactttg agcctcattt 300

tgtaaaattt tggattaaca ttgggatagc atttgagatt ttangtccta aaacccaact 360

actatgaaag tatatgcttc angattcacc antttttaaa cntaagtaat cc 412

<210> 7342
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A12

<400> 7342

aacgtctctc tgcncgcgcg gtcacagtac ccgggnccac ccacgcgtcc gcaagaagtt 60

gatgttaggg acccgagaac cgggaagagt gtggaacacg acggtgtttc cgttggagag 120

atcgttttaa aaggcggttc ggttatgctt ggttactaca aagaccctga aggaaccgca 180

gcgtgtatga gagaggacgg atggttctac agcggagacg taggagttat acatgaagac 240

ggttacttgg aagttaaaga ccggtcaaag gatgtgatca tatgcggagg agagaacata 300

agtagtgccg aggttgagac ggttctgtat acaaatccag tagttaaaga agccgcggtg 360

gtggctaaac cggataagat gtggggagag acaccgtgtg cttttgtgag cttgaagtat 420

gatagtaatg gtaatgggtt ggtgactgag anggaaataa aggaattttg taaagacgaa 480

gn 482

<210> 7343
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A2

<400> 7343

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acagaaaaaa aaaaatgtgt tcctcaaaat taaaaaatct gacccaagaa aacatttctc 120

agatcaacgg ccgtccggtt cttcaaccga agtcgaacca agttccgaca ttagaccgac 180

gtaactcact aaaaaaatcg cctcctaagc ctttgaatcc aattgcatca aagataccct 240

caccaagacc aatttctcta atctctcctc ctttgtctcc caacacaaaa tccttaagaa 300

aaccggccgg ttcttgcaag gaacttctta ggtctagctc tacaaaatcg aaaccagtga 360

tatcaccaag agaacagtga tggtggctac aaagaggtta tgcctatggt gattgttcaa 420

aagcagcctg gaagtatagc agctgccaga agagaagang ttgcaatgaa acaaagaaga 480

gagaaagaag aaaatt 496

<210> 7344
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A4

<400> 7344

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gcgattggtg caacagtggc tccgtttgtc cgtgtcctag tctttatctg cttacctgtt 120

gcatggccaa taagcaagtt gctggacttt ctattgggtc atcgtcgtgc agcgcttttt 180

cgaagagctg agctgaaaac acttgtggat tttcatggaa atgaggctgg aaagggtggg 240

gagttgactc atgacgaaac gacaatcatt gcaggagctc ttgaactctc tgagaaaatg 300

gtcaaagatg caatgacacc aatatcggat atctttgtga ttgatatcaa tgccaaacta 360

gacagagact tgatgaactt gattcttgag aaagggcata gcagagttcc aagtatacta 420

tgagcagcca actaacataa tcggccttgt tctggtgaag aacttattaa ctatcaaccc 480

agatgaagaa atacctgtca a 501

<210> 7345
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A6

<400> 7345

tanaagtccg caaattcccg ggtcgnccca cgcgtccgga aaaatctgat cagcaatttg 60

tgtctagggg catgcctact gaggcagctt tgaaggtttt ggttgagaaa atgggatttc 120

ccgaaggatt gaatgaagct tcatccgatg gcaatgtctt acgttgttgt cggctatgga 180

gtgaactaga acaacggatt gccacccttg agtttgaccg tgaccggaaa tcaatgggag 240

ttatggtgga ttccagctca ggaaagaaac tgctactggt caagggtgcc gtagaaaatg 300

tattggaaag gagtacccat attcagctac ttgatggttc cactcgagag cttgaccaat 360

actcaaggga tcttatttta caaagcctac atgatatgtc cttgagtgca ttaagatgtc 420

tcggatttgc atactcagat gttccatcag attttgccac ttatgatggc agtgaagacc 480

atccctg 487

<210> 7346

<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A7

<400> 7346

cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngtgtccatt ttattaggca tgttggtgat 120

ctttgtttca ccaatggtgt tcgcagatga tttgacacca atcccagagg gcaaacccca 180

agtggtgcag tggttcaata cccacgttgg tccattggct caacgtaaag gcttagatcc 240

tgctctcgta gctgctgagg ctgctccacg tatcatcaac gtgaatccaa agggaggtga 300

attcanaaca ctaacagacg caataaagag cgttcccgca gggaacacaa agcgggtgat 360

cataaagatg gctcatggtg agtacannga gaaggtcact atcgacagga acaaancctt 420

cattacattg atgggacaan ccaatgccat g 451

<210> 7347
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B10

<400> 7347

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ttttatcaag cggtgcgggt tcgactaaac cgggaagggt tggccggttt gttacaatgg 120

cgacggcggc gagtcctctt gaaatctgcg ttaaagcttc tatcaccact cccaacaagc 180

tcggagactg ccctttttgc caaaaggtgt tactgacaat ggaggagaag aatgttcctt 240

atgacatgaa aatggtggat ttgagtaaca aaccagaatg gttcttgaag attagtccag 300

aaggtaaagt cccagttgtg aagtttgatg agaaatgggt tccggattca gatgttataa 360

cacaggcttt agaagagaag tatcctgagc ctcctcttgc taccccacct gaaaaggctt 420

cagttggatc gaagatcttt tccacatttg tcggttttct gaagagcaaa gattcaggag 480

atgga 485

<210> 7348
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B3

<400> 7348

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ggacacctca aaagtctctt cacaattctt ttcctaatag ctatgtcttc aaccgtaaca 120

tttgccggta aaatacccgc gatcatcgtg tttggcgact cttccgttga tgccgggaac 180

aacaactata tcccaactgt tgctagaagc aactttgagc catatggacg ggactttgtt 240

ggtggaaagc cgaccggacg gttttgtaac ggaaagattg cgacggattt tatgtccgaa 300

gccttagggc ttaaaccaat cattccggcg tacttggatc cttcttataa catttcggat 360

tttgcaacag gtgttacctt tgcttctgct gccactggct atgacaacgc cacttctgat 420

gttctgtcgg tactacctct atggaaacaa ctcgaatact acaaagaata ccaaacaaaa 480

cttaaagcat accaa 495

<210> 7349
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B4

<400> 7349

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gcaaaacttc agcgtgcagt gaaaagtatt aaaagaaagc agcgttcgtc gtctgagaac 120

accacttcaa cattttcacc tcttaatcat ttaaatgatg cgcagaaatt cgcagagaaa 180

ttgttttccc gtcttcagac catcaagggc agtggtgaac gtgttgagac taggttgatg 240

atgattaaag ttattgctcg cacaattggt cttcacaagt tgcatttact aagtttctat 300

ccttttcttc aaaactatgc tctgccgcat gtaaaggaca ttacacaaat acttgcagca 360

gcagttcaat cttgccacga tggggttcct tctgatgttg tggagccact gttcaagcaa 420

attgtgaatc agtttgtaca cgacaagtca cgtcctgaag gctattgctg tcggactcaa 480

tgtggtgcga aga 493

<210> 7350
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B5

<400> 7350

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cgccaccttt aacctccgac gtttcaatgc cttccggtga agaagatgag ccaaagcatg 120

taacatcgga agaagaggca ccggtgactt cggagacaaa tctgaagcta cctttgatgc 180

cggagctaga ggagtcaaat catacggcgg aggttgtttc agagaaggtg acgccggaga 240

cgatgacttt ggagtcagaa ggtctcaacc acgcggcgga ggattcagag cagacacatg 300

aagtgacgcc ggagacagag actgcgaagc taagaggttc tcaaccacac ggcggaggat 360

tcaagagcag acacatgaag tgacgccgga gaaagagact gtgaaatcag agtttctcaa 420

ccacgtggcg gaggattcag agcagacaca tgaagtgacg ccggagacag ag 472

<210> 7351
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-085-Q1-E1-B6

<400> 7351

acgcgtccgg gatcttgtct tggagtcgat cagtcggctg ttagtatatt tactgaagag 60

atcattcgag ctggatctgc agcagcattg tcgtcacttg ttaaccgact tgacccagtt 120

cttaggaaga ctgctaactt gggaagttgg caggttatta gtcctgtaga ggtcgtcgga 180

tatgtcattg ttgtggacga attgctcact gtacagaata aaacctacga tagacctaca 240

attatagttg caaacagagt gagaggagag gaggaaatcc ctgatggtgc agttgcggta 300

ctgacacctg acatgccgga tgtactatct catgtttctg ttcgagcaag aaatggaaag 360

atctgctttg ccacatgttt tgattctggt atcttatctg acctccaagg aaaagatgga 420

aaactgttga gcctacaacc aacctctgca gatgta 456

<210> 7352
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B7

<400> 7352

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ctgcaactac tactccgccg ccacctttaa cctccgacgt ttcaatgcct tccggtgaag 120

aagatgagcc aaagcatgta acatcggaag aagaggcacc ggtgacttcg gagacaaatc 180

tgaagctacc tttgatgccg gagctagagg agtcaaatca tacggcggag gttgtttcag 240

agaaggtgac gccggagacg atgactttgg agtcagaagg tctcaaccac gcggcggagg 300

attcagagca gacacatgaa gtgacgccgg agacagagac tgcgaagcta gaggttctca 360

accacacggc ggaggattca agagcagaca catgaagtga cgccggagaa agagactgtg 420

aaatcagagt ttctcaacca cgtggcggga ggattcagag cagacacatg aagtgacgcc 480

ggagacagag 490

<210> 7353
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B8

<400> 7353

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attcgacccc gctattgttc cttccgatgc attcacatcc tctgctantt cactcncgcc 120

gcttanaaan gacganttttc tcaccggagc tgagtttatc ggtgtcggtc ttctcaatat 180

acccgaagat atcgcctacc ataaggaatc taatctcatc tacactggtt gtgttgatgg 240

atgggtgaaa cgagtcaagg tcnccgactc ggttaatgac tcagtcgttg aggattgggt 300

caatactggt ggtagaccgc tcggaatcgc gttcggaatc cacngcgaag tcattgtcgc 360

agacgtacac aagggactgt tgaatataag cggtgacgga angaagacgg aattgttgac 420

ggacgaaatc ggacggtgtg aagtttaagc tgacgg 456

<210> 7354
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-B9

<400> 7354

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atcatcttca ccactatggg tgcttcatct tctacagacg acaaagaatc atcggagaaa 180

cgagaaatcg aaagccttgc tgcttcaacc ggagctcttc ctctgcttaa acgatccttc 240

tccaaactcg tcgattctca aaccaatact gttccttttc aatccttgaa gcaaagnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnngt ttgccaagtg gttatgtcaa atgttgtgga agaat 475

<210> 7355
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A11

<400> 7355

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tccagcccaa ttggaagctg catttgcctt ttttgccagt accggtcctg aggactttaa 120

gctgaatgag tttgaagagg catgtggtgt tgggattgaa gtttccccag aagatattga 180

gaaagcagtt aaaggaatct ttgaagagaa taagaaaaca atattggagc agcgctatcg 240

aactaatgtg ggtgaattat ttggacatgt ccggaaaagt ttgccatggg ccgatcctaa 300

gattgtaaag aaactcatag atgagaaaat gtatgagctg cttggtgaga aaaccgctgc 360

tgataatgaa aaacctacaa aaaagaagga gaagaaggag aagcctgcca aagtcgagga 420

aaagaaagct gtggtggaaa ctaccgcaga gccatctgaa gagg 464

<210> 7356
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-A6

<400> 7356

agtatacaaa cttggctaca tggaactggc gattgatgaa gacgataatg actgtgtgtc 60

atgtctatga caaagaggag aactacattc cttttgaccg gttagcccct gaagaatctc 120

agccaataac cttcctcaag aaagcaatgc ctaactacac agcctgattc gccatggtct 180

caaactagtc ttttgaaatc tcaatatctt tttgcacgtc gccgatgtta tatgtaagct 240

ttccaagcga tgagcttctc taacacttca ccaacgcttt atactgttat cttctttcca 300

ntcttatcag aagagagaaa ctgggcaaat taaaaannaa aangaagg 348

<210> 7357
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-B4

<400> 7357

cttcctctgc tccactcatt ctcctccacc gtcgccacaa aatccaccgc ctctagaatc 60

actgccacgc cgtcgaaaat ccgcttctct gtcataaacg ccacgtcgga gaatggaaac 120

agcggtggta gtaaaaacga tcgtgatgag gatccatctt ttaacccatt tggtttcgtt 180

acagacaacc cgtctanccg gagtgcaatt cagttaccag agtctccggc ggaagacggc 240

aatgtcggcc aaatgctcta caggactgan gagaanggta aagngtatgg ngcaacnatc 300

agatctggga agcttagnng gtttgtgaga gagactggat caaaggagag tcgtcgaang 360

aaccattgta tttggtngtg gatggcctac tcagtccttn accaca 406

<210> 7358
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-B7

<400> 7358

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agagcaatgc gtattgggac aaatcatgga agtctttctg accgtatcat gagctattac 120

ggggattctc cccgaggaat ggttgaatct gcgtttgagt ttgcaaggaa tatgtcgtga 180

aattagacta tcacaacttt gttttctcaa tgaaagcgag caacccagtg atcatggtcc 240

aggcgtaccg tttacttgtg gctgagatgt atgttcatgg atgggattat cctttgcagt 300

ttgggagtta ctgaggcagg agaaggngan gatggacggg atgaaatctg cgantggaat 360

tggggacgct tcttcagtga 380

<210> 7359
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-C10

<400> 7359

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aaatggcttc tctttggctg aagttaatct ccataagtct aatatacctc aatgttatcg 120

ctaaatcaac tccgcatcaa gaaagcgaat tcgaatgtgt ctctatagac aaacaatctg 180

cactacaaca tcctctaatg aagaatcatc gcatacagac tagaccaagt cgagagcttc 240

tatcaatact ctctacgtcc aatggtaaca tactcagaga gattgatttg aagggatcag 300

aagaatgtcc aaagggacaa gtaccgattc ataaacaaaa aaccaactta accaatagtc 360

ttattcatcc ccaacaaatt catagagcag gccgtatcct gnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnctcatg attcccttct 480

gcattgttgt ctcaaaaaaa taaga 505

<210> 7360
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-C5

<400> 7360

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gtccataacg gcgacaagaa acattggtgg ttcactcaca agaagattgt tgataagtac 120

attaaggacg caagatcttt aatggagagt gaggagcaaa acgacgttgc ttcagccatt 180

catttactag acgcggcttt atcaatatcc ccgcgttcgg aaactgcgtt agaacttaaa 240

gccagatctt tgctctttct acgtcgcttc aaagatgtag ttgatatgct tcaagattat 300

atcccaagcc tcaagcttgc cgtgaacgag gaagatggat cttattcata cgaaggttct 360

tcttactctt cctcntcntc tcagctctcc cggnaacttc tctct 405

<210> 7361
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-084-Q1-E1-C8

<400> 7361

agttagagtt ttcgccaatg atccacattt tgtgaaggat ggtgttgatg tttcgaatca 60

accaggttcg aggaaacctt tttgtacaga ggtgaaggat ttggtccggg aagctgatac 120

tgtcataaag attcggtctt ttcagatcat tgtagctcag ggagtgacag gatcgtttcc 180

ttggtctgct ctttcttttg cacctatgtg gttggaactc attgggttct cacacgggaa 240

aactgcattc ttgatgggtc ttttcgtggc tgcatcttct cttggtggct tgtttggagg 300

caaaatggga gattttctgt ctactcgtct tcccaattcc ggaagaatca ttctcgcgca 360

agattaagtt caagcctcag cgattccgct cgctgcaatt 400

<210> 7362
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-D6

<400> 7362

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gtcgctccgt ttcctcaccg acncacgcat ctgccgaatc ganattatcg ctctttgctt 120

tancactttt gctcgagttt cnatcgggaa cctcanattt ctcttgccac accggnagtt 180

ctccaggagc tggtcttaca aacagaaatt gctcaagagt ctccgggaga aacttgcgaa 240

ccgccggaga atttatcaat tacggaatca anactcaatg gagtgtctgg tgattcaagt 300

ggtgagaagg tggnaacaat ttcacangan aagaagtttg atgccttgga gatatttgtg 360

atggn 365

<210> 7363
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-D8

<400> 7363

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tanntgagat tagtacactt ggtaaaggtc tctcttccat aaccaacttt atcttatgat 120

tcgaatcatt ttatcttcat caagaatttg acattatagc tggcttaaaa ttggcnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna angaaagatg aacaatttgt 300

tgtcatgtan ttatcaactc tcccanatgg agccactgtg gggataaagt tttttggcaa 360

tagtcaagtg gacttca 377

<210> 7364
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-E12

<400> 7364

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tgcggctctt tcttttatct tctcgcctcg gttttagcaa acccttttagt tatcttcttc 120

ctcaagcaat ttttcttttg gattagattg gtgttttctt ttggtttgtg tggtgatgat 180

gagaaggcaa cgagatgaac aacaatctag ggttttctac gatctancat ctcttgtttt 240

gaatcttctc cgttctcctc ctatgccgat ttctttacct gatcatttcn ccgatccgcc 300

cgctagaatt cgtcctccct tttcntcgca ncgtttttcc gtcttcgncg ccttctttgg 360

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ccnga 425

<210> 7365
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-E4

<400> 7365

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agcatatcga gcaggtcttc actcctttgg ttgagaaatg caaaaagtac gggagagcaa 120

tgcgtattgg gacaaatcat ggaagtcttt ctgaccgtat catgagctat tacggggatt 180

ctccccgagg aatggttgaa tctgcgtttg agtttgcaag aatatgtcgg naattagact 240

atcacaactt tgttttctca atgaaagcga tgcaacccag tgatcatggt ccangcgtac 300

cgtttacttg tggctgagat gtatgttcat ggatgggatt ancctttgca tttgggagtt 360

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tcttcaggac gggctcngtg acacaata 448

<210> 7366
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-E5

<400> 7366

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tgtgaagaac tagattggat tcctttctat ccagccagaa aggactccca gccagccgaa 180

caatcacacg ggcataaaag cagaccacaa gggccaccta attatgatgc tcttccacag 240

atattgaatg tttgctctta ttggctacag agctttatta agtacagcaa atggcctgag 300

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agtgccagga acaactggga atatcangtt tggctgtaaa c 401

<210> 7367
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-F10

<400> 7367

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caacttaaca ttgctcaggg tgttggatct ttctagggta aagtttgaag gagggaagtt 120

accttctagc attggagggc tcatccactt gagatacttg agcttatacg gagctgtggt 180

atctcatcta ccttctacta tgcggaactt aaagcttctg ctctttttga acttacgtgt 240

tgataacaag gaaccgattc acgtgccaaa tgttttgaaa gagatgctag agttgaggta 300

cctttcccta cctcaggaaa tggatgataa aaccaagttg gaattgggtg atctaagtga 360

acctggagta cttgtggtat ttctcaacgc aacacagtag tgtgacagac ctcctccggt 420

atgactaacc tccggaatct cggtgtatct ttgaacgaaa ngtgcaattt tgaaactcta 480

tccgtcatct ctccgtga 498

<210> 7368
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-G7

<400> 7368

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cacttcctct tctttatcac tctccggtaa gaagaactca tattcnccga gacagttcca 180

tgtttctgcn aagaaagttt ctgggttaga ggaagccatt agaatcagaa aagtgagaga 240

gcttgaaact aaatcaaaag ttaggagaaa tccancatta agacgtggga agagtancgc 300

ctcgtcntct tgtacctgat cacattccaa gggctcctta tgttgagtcn ggtgtattac 360

cggntatatc angtgaagtt cnagantccc tggtcctgaa aggc 404

<210> 7369
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A1

<400> 7369

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gaaatcacca tggcgccaaa gaaggataag gttccaccac cgtcatcaaa gccggccaaa 120

tctgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnng tgttgtttga tcaaggcact tatgacaagc ttctcactga agctcccaag 240

ttcaagctca tcactccatc aatcctctcc gaccgtatga ggattaatgg gtctcttgcg 300

aggagggcga ttagggagct aatggcaaaa ggtttgatca ggatggtctc tgcacactcg 360

agccagcaga tctacactcg tgccaccaac acctaaaaag cgtgaccttt caatggtttg 420

gttctcgact cttttcctgg gttttgtcnt ttgatgtata cattaatcat caaaaactcc 480

ttat 484

<210> 7370
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-084-Q1-E1-A5

<400> 7370

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agtcacttgg attcgttctc atgtacttct taaaaggaag tcttccttgg caaggactga 120

aagctggcaa taagaagcaa aagtatgaga aaatcagtga aaagaaagta tcgacatcta 180

ttgaggcttt atgccgaggt tatccatctg aatttgcatc ttatttccat tattgccgtt 240

ctctgagatt tgacgacaag ccanactatg cctacctgaa acggcttttc cgcgacctgt 300

ttantcgtga aggcttccag tttgattang tanttgnttg ggacgatctt gaagtancag 360

cagatcacag atttcnactc cncngcctcg gtcatcatgn ggcctg 406

<210> 7371
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-A10

<400> 7371

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ctctccctcg cttcgatctc tctctcgact gctactcctg gaatgtacat ttgttgatgg 120

aagtttcttc agaattgatt tcaaaatctc tgagctgaag attcttgact tggaacaaat 180

atgcctcaca gaacaaggcc gttgaaggga ctcttgcttt tcactggaat aaactttgtg 240

ttggtgcaga ccattactcc agtctatgac tttgtctgct tcttgcctta ctgggagaga 300

aggagagagc gaatccggca ggancgtgaa gccgcagctg catccttaaa ctcaacacaa 360

aaagctactc aagcatctgt tggatgatga actcttctct acatcttctc aagtctctta 420

aatcaaaatt cctctttgta agaaactaag ttaccctctg aatactga 468

<210> 7372
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-B10

<400> 7372

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ccttctctca tcaaacccta atctacactt ctccaattct attccaaacn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

tanatttaca cgcggtctcc gttacgtaaa ccacactgta tctaatgaag aatcagaacc 240

cggaggagga gagaccatgg ttgcttctgc ttccgctata gcttccgcga ttcgtggagc 300

ttcaacaact cctgtagagt tcacacaaga tgattgagaa agaccatctc aagacnaaga 360

ttatcttgcc aagtcctgat tttcaacggn tttgtcttg 399

<210> 7373
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-B2

<400> 7373

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ggaaggtttg ggtgcttttc aaaaactgcc catggtcatg ccatctattg atttgtatgc 120

ttctgctctc aggaagtcta aaagagtcca accaactaaa ggcattgcta atattgctaa 180

gcgagaaaga aatagaggtg ctaaacagct tgatgcattc atgaaagaac tggctctacc 240

tttaaaaggc tacatggaaa gttttcccag gaagaaactc ttgcatccat atgaaaggtc 300

tcttattgac ttgacacttg gtgatggaaa gtatgaaaga ggtgttaagg aaaattgatg 360

ttctgannga aaaaaagtgc aatcctgttt gggaaangna naatgccttc cctccggggc 420

ccaaangggt ttnnccaana aaaggnnggn ccaanggnan nccntttacc aaaaggggtt 480

tgggaaaaac cnggaaattg g 501

<210> 7374
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-B5

<400> 7374

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ggctgaagta gcacagaagc ttgaacaact tgagatggtc ttgtctaatg atgatgttgg 120

ttctactgtc ttaaacgact ctgttcatta taacccatct gatctctcta actgggtcga 180

gagcatgctt tctgagctga acaacccggc ttcttcggat cttgacacga cccgaagttg 240

tgtggataga tccgaatacg atctcagagc aattccgggt ctttctgcgt ttccaaagga 300

agaggaagtc tttgacgagg aagctagcaa caagaggatn cgactcggat cgtggtgcga 360

atcntccgac gaatcaaatc ngtccntggt gctcnttgac tctcaaaggg ac 412

<210> 7375
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-B8

<400> 7375

gaactgttag cctgccgnac cggtccaaaa tcccgggtcn acccacgcgt ccgggtactt 60

ggagtgatgg aaagcttgtt actcgaatag gaaagaatag tgccaccgtt ctagcggtgt 120

tgaaaacgtt ggttcgcttt ggggctcctg ataatatatt ggtcaacgga aagcctcatc 180

taggaacaga taagctagtt ccattactcc gtaatttcag acattatctt caaagtgcgg 240

gagtgactat caagtttgga actcgggtaa gatgatcttc tggtagagga ttctcgtgtt 300

gttggagtca gggtttcgga ttcaacaaac caattgcaga ctacctccca gaatttaaag 360

gttgatgcaa gttgttcttg caagttggtc attcagcacg tgacacatan ganatgctca 420

ttctcgtaaa tgtccaaant gantcccaaa aaaaatttgc ccgttggggt tgcgtattgg 480

ngca 484

<210> 7376
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-B9

<400> 7376

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ggctgaagta gcacagaagc ttgaacanct tgagatggtc ttgtctaatg atgatgttgg 120

ttctactgtc ttaaacgact ctgttcatta taacccatct gatctctcta actgggtcga 180

gagcatgctt tctgagctga acaacccggc ttcntcggat cttgacacga cccnaagttg 240

tgtggatana tccgantacn atcncanagc aattccgggt ctttcggcgt ttccaaagga 300

agaggaagtc tttgacgagg aanctagcag cangaggatt cgactcggat cgtggtgcta 360

atcgtcggga cgantcaact cggtccgtgg gtgcncgttg actctcagga aaa 413

<210> 7377
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-C10

<400> 7377

caaaaccacc taactcaaat tgttgtctat atacaagaaa cataatcata atgggaaaag 60

gaggaggtta tgtgacggtg gcggcggaag aagtggagga gttacggagg aggaacggag 120

agttggagag agaaatggag gagatgaaga aagacatggt tcagctgtgg cggcgtacgg 180

tggtggcgga ggaggccgag gagagactct gctcgcaact ggcggagcta gaggtcgagt 240

ctttagatca ngcgcgtgac tatcactctc gtatagtctt tctcatggac caaatctctc 300

gtctctcttc ttcctctctt gaagtcgttg ttacnaattc gtagatacat taattattan 360

tttgt 365

<210> 7378
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-C7

<400> 7378

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tctaattcta tctacttttt gtctcactac tgtgaactcg gagccacagt gccataattt 120

caaatcgatc attagtttcg gcgattctat tgccgacact ggaaacttgc tcgccctctc 180

cgatcctacc aatctcccta aggtcgcgtt tctaccgtac ggagaaacct tcttccacca 240

tccgaccggc cgtttctcaa acggncgcct catcatcgat ttcattgctg aatttttggg 300

gttttccgct tgtgcctcct ttttacggga tctcaaaatg canattttga gaaaaggagt 360

taantttgcg gttggaggan caacggggaa tgggga 396

<210> 7379
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-C8

<400> 7379

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acacggttta aggagcttaa ttctgagcct gttgtaccgg aaggttttcc ggggtgggaa 120

gaagtaatgg actcatgggg ttacaagatg atatccgcgg ttgaggttgt tgctgaaatg 180

gcagcaattg ggtttggttt gcctaaggat gcatttacat cactcatgaa gcagggtcct 240

catcttcttg ctccaacggg aagtgatctt aactgttaca acgaggaagg gacgatattt 300

gcaggatatc actatgatct taatttttcta acgattcatg gaagaagtag attccctggt 360

ctatatattt ggttaaggaa tgganaaa 388

<210> 7380
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-D10

<400> 7380

gaagaatatt tgggtgtaaa ggaagctata ttgttggacc ttcttagagt cataagccac 60

caccgagctc gtctaagcta caccaatccg tacaatccgt aagatgtaca cagagactga 120

cntggaaaac acaccatttg gggaatcgat gtacggnggt gttacttctc ggcggccttt 180

gatgctaatt gaacccgctt acaaaatcaa tgganaagac aaatcaaaat ctcaaaaccg 240

tgcagcaaaa ccaaccgcag agcaagaaaa caagggctcg aatccaaact caaaagaaac 300

gtcttctcct gatctaaagg cgaatgtgan agttgggnga atcccctgtt tctgatacca 360

acaagagtac ctgaagaaac agtancaaag ncagtaatca aagcggtcnc aaaa 414

<210> 7381
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-D11

<400> 7381

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aagcggattc tcttgtggca caagaaaaac gcggtggctg gggatgcatc gttgctcgcg 120

gatgagcgga gaaaggaagg gaaagatcct gcggcgatgt ccgcngctga gtatttgtca 180

aagctggcga tacacagagg aagcaaagac nacataagtg tggtggtggt tgatttgaaa 240

gcctcngagg aaactcanga gcaaaccctt gaactgaggc agagagggtc ctttttctta 300

atttttanaa tgaatatggg tctctccaag aaaaagtatt taccannaat taagttgtgc 360

ctatttttt a 371

<210> 7382
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-D8

<400> 7382

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attagcttca cgaatactgc gccggctcca ttgccgggga tgcaagggtg gcaagcggtg 120

gcgtttagga tctccggcga caaagctttc ttttccggct gcgggtttta cggtgcacaa 180

gacactttat gcgacgatgc tggccgtcat tacttcaagg agtgttacat tgaaggctct 240

atcgacttta tctttggtaa tggccgctcc atgtataaag attgtgagtt gcattcgata 300

gcgtcaagat tcgggtcgat agcggcgcat ggtaggacat gcccggaaga gaaaacgggt 360

ttcgcgttcg tgggttgtcg ggtaacaggt acgggtccat tgtatgtngg ccnggccatg 420

ggacaatact caccnatcnn ttacgcccca anacttactt tgangncncc ctcgcgcaca 480

gggggttttg gacana 496

<210> 7383
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-E10

<400> 7383

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actagggata tgtcngatgt tagtagtanc atcaagtgtg atctatgaag cgcanggaac 120

gttcttacta aaccattact tgaagaagaa ttttccaaaa aaatgcaacg agtttacgcc 180

ttangctaac aagggtatga taacgttggt gaccgatctc gaaggtagca gtccggccac 240

tanagagttc aagactttct ttacacagtt cangtcttac atgtctttca tcgagacaac 300

atcggcctca anagaaaatg ttgatgccga natgacagnt aaatgtgacg gtcttttcaa 360

ggccatgtct gcattgaatg ctagtaaang gcgtcaaatc agcggatgcn gg 412

<210> 7384
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-E11

<400> 7384

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aatcgtgtgc tccatctccc aggtttatgg ctacggnacg gtggactacn agagaaggcc 180

gattgtccag tggaatgcca tctacaagaa gatttcgctg atggagaagc cagagcttgg 240

cgctgcttcc gtcttgaatc agtgggagaa agccggccgc aagcttacca agtgggagct 300

ctgtcgggtc gtcaaggagc ttcgcaagta naagcggtgc caaccaagct ctcganggtg 360

tacgaactgg atgaacaaca gagggcgaaa agtttccggt ttgtnctgca agtgatgct 419

<210> 7385
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-E9

<400> 7385

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tggctgatta cttttatggc cgtgttcaaa atgtgataaa gaagtacagt gttgaacgac 120

attggctatc actaaacgaa gagactggtg gcatgaatga tgttctttat cagctataca 180

gcatcactag agattccaag tatttgtttc tcgcacatct ctttgacaag ccttgctttc 240

tcggagtcct cgcaattcag gccgatgata ttagtggatt ccacgctaat acacatattc 300

ccatcgtcgt tggatcccaa caacggtatg aaatcactgg tgatctactc cataaggaaa 360

tcccgatgtt ctttatggac ataagttaat gcntcacaca gctatgcaac t 411

<210> 7386
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-F9

<400> 7386

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ccgtcgtttc tccgatgact ctgacgattc ttccgacgat gcttcttccg tggagggaga 120

gaccacttct tccatgtact ctgcggggaa agagtatatg gaaacagaat ggactaatga 180

gaagcatagt ttatatctna aatctatgga agcttcattc gtagatcagt tatataactc 240

gctcggagct ctcgggaaga acgagaatgt atccgaatca acgaggttcg gtagcggtag 300

aaaaccgtct caagaacagt tcaaggttct tcatgatggt ttctgggcag aagattaatg 360

tgaaacancc tgaacatcgg attaacggaa gggcacggtg gtaattctca tgag 414

<210> 7387
<211> 459

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-083-Q1-E1-A9

<400> 7387

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aaaaaatcta cctgctttga tccaaatctc tatgggtttt tatcattaat cgaatttcaa 120

aattgatgaa tccataattt ttttctctat tcgatttatg agaaattgat ttttttttt 180

atttttctcc cttgtgaaat aggttaaaga ttattgtttt gttgctgttt gtagttatgc 240

cggtaatgaa tccatcattg tgtattggta cacaaacatc ggtgtacctc gctccncgtg 300

agaaatcttt tacgagtaat ggnaactctc aaaggcgtta tcctacaagc gtttctaatg 360

caacgccagc cttggagcca aagtaaattc ncttcnctcc agggatgcan gtgcaaccag 420

ttgtccgtcc tccaangaat aaaagaccaa gtctttgca 459

<210> 7388
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-C5

<400> 7388

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agagtatgca aatgttcaga actcaatcgc ggcaacctca agttcttcta agatttctga 120

ttctcataaa cccagaaaca gctcccgcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngagcg 420

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<210> 7389
<211> 471

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-D2

<400> 7389

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gaaccttcaa cgttatcttc ctctcactag ctaagaaacc catttcgatt ctctctctct 120

ctctcgtttc caacatcatt ccatggntga cgatagcgaa ttgtatcctc gtttcttcaa 180

agtgttcctc gttgaatcgg cttctgaatc gttgatgatt ccgttgcctt ttatggcatt 240

tcttgctgat ccattgccaa agacagtgaa gctccaaggt cttggaggaa aactttggac 300

tgtgagcttg angaanataa gcggagctgc gtatcttact agaggatggc canaattcca 360

gaggaacatg agctgaagaa cggaganttc atgacatttg tgtatgatgg ncatcgtacc 420

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<210> 7390
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-D4

<400> 7390

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gattctatca attcgtatac cgtatttgac tacccagcca ttgattctct ctccctctct 180

tccctttca ttgtttctaa accagctcat ctttcctgat ccggacgttt ttcgaagatc 240

gggtcctaat tccccgggaa tgggtcctta agttctggaa gaaatccgtc cgctctgtct 300

ggtaatttca ttgaaggacg gattaagcaa gcgtgtgtga agatcagaaa agacggattc 360

aactatgaag cacccagaag caagtggtga ctattcggga cctggtagat gaagccaaga 420

aacgaattgt aatcgtggtc atatgcgtcg tcggacttcc ctanctcatg tcctgacaaa 480

<210> 7391
<211> 480

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-D5

<400> 7391

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ccaagttcct caccttgaaa tctccaaacc caattccaaa aagaggtcta attgtttatc 180

tttatctctc gataagcctt tcttcactcc cttatctctt gttcgtagaa ctcgtcgtat 240

ccattcctct tctcttcttg ttccttctgc tgttgctact cctaattctg ttctcagtga 300

agaagctttc aaaagtcttg gtctttctga ccatgacgaa tatgaccttg acggcgacaa 360

caacaacgtt gaagctgatg atggtgaaga actcgctatc tctaaactta gtttgcctca 420

acgtcttgaa gagtctcttg agaaacgtgg tatcactcat ctcttcccca ttcagagagc 480

<210> 7392
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-E2

<400> 7392

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cagcttctcg agccaaggcc cttaagggca ttctaaacca caattttcga agcttctccg 180

ttatgcaagt tctagtgctg ttgcaacgag ctcttcttcc tccagctggc taagtggagg 240

ctactctagt tcacttcctt ctatgaacac tcccttggct ggtgtctctc ttccaccacc 300

actctctgac catgttgagc ctagcaaact taataccact actccttcca antggtctgg 360

actatagcca ctgaagatgt ctccgaaatc caagcaagct tccatttggt ttatacnttg 420

actgtgggnt ctannttatg aggacncctc aantccgttg gaaccgacng cacttgnttn 480

aaaaggatgn gcatttcaag gaagtacnat ttgaa 515

<210> 7393
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-E4

<400> 7393

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acataagcga ancgacagag aaaaaaaatg tcttcgccaa agcaaacgca gngaaatgga 120

tangatgaan ctgatgatga gcgattataa agtggaaacg atcaacgatg gcatgcaaga 180

attctatgtt gaattcaatg gtcccaaaga cagtctctat caaggaggtg tgtggaagat 240

aagagttgag cttccanatg cttatcctta taaatctcca tctgttggtt tcattactaa 300

aatttatcat cctaatgttg atgaactgtc gggttctgtt tgtttagatg tgattaacca 360

aacttggagt cctatgttcg accttgtgaa tgtgtttgag acatttcttc ctcagcttct 420

tctgtatcca aanccatc 438

<210> 7394
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-E6

<400> 7394

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cgcccacgcg tccgcacatt tccatttttc tctcttccat aaaacccaaa agaaactagg 120

aagaggagta aataatattt gttttaaaga aatgattctc cacaaaatgg cgttcttggc 180

cgttattctc ttcttcttga taagcagcag cagcgtttgc gttcatagcc gtgaaacgtt 240

tgcttgcgat acaaaggacg cagcaacagc tacactgaga ttctgccagc tttcagttcc 300

tataccggag agagtcagag atttgatcgg acggttgaca ttgggccgag aaagtgagct 360

tgttagggaa cactgcggcg gcgataccac gtctaggaat caaagggtac gagtggtggg 420

tccggaggct ttacacggcg tttcaaatgg tgggacccgg tactaagttc ggtggggttt 480

aacctgc 487

<210> 7395
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-E7

<400> 7395

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taaatttagt tttgatccct ctgggttcct tgaagaaaaa aacaccaatt ccattcatat 120

tcttcttcat acgttcaata attcttacga ggacgagatc ttcctaacgt ctttgatctt 180

cttcattagg agataagtct aaactggtcg aagatgttgg gagatttcat catcagactc 240

cttgtattga tattagggta cacataccca gcattcgaat gctttaaaac ggtggagaag 300

aacaaagttg atatcgagga actcagattt tggtgccaat actggatact tttggcgcta 360

atttcatcat tcgagagggt tggcgatttt tttatctcat ggttaccgtt atacggagag 420

atgaaagtag tcttccttcg tatatctcct ggtaccctaa aacaaagggg aacgagacat 480

gt 482

<210> 7396
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-E9

<400> 7396

gtntccttgg gacgtgccgg tccgatattc angggnccnc ccacgcgtcc ggaaattgtg 60

cttgatgtga tcaagaatgt cccggcctgg cctggacgac atttgctaga gggaggagat 120

gatctaagat acttcggttt gaagacggtt atgcgaggtg atgttgaatt cgaggtcaag 180

agccaaaggg aatatgaaat gtggacacaa ngtgtctcaa ggcttcttgt tcttgctgct 240

ganaggaagt ttangatgtg aataaacgtt caatggctgc ttggtttaag tgtgagtttt 300

tttttaactt atgtggtcaa atttcattag taggggttct tttaaggtaa tgngtttttt 360

gggttgggta taggatnaaa tggacctacc aagtcnaggt gaggaagcat ttggggtaaa 420

cnaaacttag tgggggtgat ctgtantaac cnatgttctt aggtttttt tng 473

<210> 7397
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-F12

<400> 7397

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gaatggngcg aaaatcccta attttcccgg tgattttgct cgccgttctt ctcttctctc 120

cgccgattta ctccgccggt cacgattacc ngcgacgctc tccgtaaaag cattctcttc 180

ttcgaaggtc aacgttccgg taaactccct ccagatcaac gcttaaaatg gcgccgtgac 240

tcagcattac gcgacggttc ctccgccggc gttgacntat ccggtggtta ctacgacgcc 300

ggagacanca tcaangttcg gttttccgat ggcgttcaca acaacgatgc tttcatggng 360

tataatcnat ttcgggtaaa accatgggac ctgagcttag aaacgccggt gaaagctgtt 420

aaatggggga acagattacc tccntaaaag cgacngcgat tcccggagta agtcttcgtc 480

caa 483

<210> 7398
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-F4

<400> 7398

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aatgtggcgg cgaagtaact taccggggaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnt cgattcgtta agcttgcata aagctctctg tgaactcctg agaagttgtc 240

tttgagaaag aacttggcaa cttctgattt gccgaattga ttgttgttgg cttgagtagt 300

ttttttgag gagctatagg gaatttgatt gtggtttgac cataagttgg cttcaatatt 360

gtagagagga ttactacttc aaacaaagct cgaaaaactc atangttgtg gtgaagctaa 420

attatgctag ggaaaccggt gatgtaactc ctggaagcaa ctctacggaa gatatcatcc 480

tcctcttgaa gatgt 495

<210> 7399
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-F5

<400> 7399

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tccgcccacg cgtccgcaaa attgttcttc ttcggcaaga ttcctcgatt ttctccgtgt 120

tctgtaattt ccgatagatt ttgacaacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnc aaatcctgct ctgctctact atcttcaatt cgattcttca 300

tccgaacgaa gaagacacaa attggagctt cactggacgt tgatgataaa gcatgaatca 360

cggagggaac actcaggccg tagcaccaat ggaccctaat tccattgaga atcgatatgg 420

tgttgatgga agccaaacac agaaatattc atatcaatac tcaactgggt ctgaaagtgc 480

<210> 7400
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-F6

<400> 7400

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tacagatgtt ggatggtgta accattgttc gatctgagaa ggtgaaggat gagattgttc 120

ttgacggtaa cgatatcgag cttgtttcaa ggtcgtgcgc tctgatcaac cagaaatgtc 180

acgtgaagaa caaggatatc aggaanttcc ttgacggtat ctatgttagc gagaaaagca 240

agatcgtaca ggaagaatga atactcatat tcccctctta gctcatattt cttgtgtttg 300

gaatgttgtt agttttgttt tatggaccac atccancggt gangtaaacc ttgccttttt 360

tttgttcgan aatttattan acttatgcac caaggttttg gngacaattt ngangaccca 420

ttcactctca cacttttttgc canattacct cttcccggat gaa 463

<210> 7401
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-C4

<400> 7401

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cggtactcat ctgaccaagc tagggtttcg cagtcatcat catgtaccgt acggcagctt 120

ctcgagccaa ggcccttaag ggcattctaa accacaattt tcgagcttct cgttatgcaa 180

gttctagtgc tgttgcaacg agctcttctt cctccagctg gctaagtgga ggctactcta 240

gttcacttcc ttctatgaac actcccttgg ctggtgtctc tcttccacca ccactctctg 300

accatgttga gcctatcaaa cttaagacca ctactcttcc aaatggtctg actatagcca 360

ctgangatgt ctccgaatcc agcagcttcc attggtttat acgttgactg tggttctatt 420

tatgagactc ctcaattccg tggagcgacg cacttgcttg aaaggatggc attcan 476

<210> 7402
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A12

<400> 7402

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ttcttttccc gctacaagtt gtgccattgc tcctgaaagg atcaggttta ctaagggtgc 120

tttttactac aaaagcaaca atgtagtgac aggtaaaaga gtgttttcca taaaagcaca 180

aatcacaaca gaaacagata ctcctactcc tgcaaagaaa gtanagaaag tgtcaaagaa 240

naacgaggaa ggtgtgattg ttaacaggta cagaccaaaa gagccttaca ctggaaaatg 300

ccttctcaac accaaaatca cagctgatga tgctcctgga gagacctggc acatggtttt 360

cagccatcaa ggagaaatcc cgtacagaga angacaatct gttggtgtga ttgcagatgg 420

aattgacaag aatggaaagc ctcacaag 448

<210> 7403
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A2

<400> 7403

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ggccaaagtt ccgacttttt gcttctccca gaggctaatc atggacgctg tggcggcgaa 120

tttgtttcaa tctccttcct tactgcgtca aacttccgaa aggttgatat tttcgacgcc 180

caactgtcct ggcttcatgc gaattanctc cggacctcaa tttcgtctca gacaaaactc 240

ttctcttana ttctcgagac catttcaaan cggaacaact tgtgttaaat ctcggagaag 300

ctttgtggtt aaangcttca gcttctggtg atgcttcaac agaatcaatc gcgccgcttc 360

agttgaagtc tcctgtggga cagtttctgt cacagatata ngtgagccat cctcatcttg 420

ttccagcagc tgttgaana 439

<210> 7404
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A4

<400> 7404

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gaaacacgag agcattatca attattaaca attacacaag acagcgagat tgtgaaagag 120

taaganagag agaatggcan gagaggcaga ngctttggcc acgacggcac cgttagctcc 180

ggtcaccagt cagcgaaaag tacggaacga tttggaggaa acattaccaa aaccatacat 240

ggcaagagca ttancagctc cagatacaga gcatccgaat ggaacagaag gtcacgatag 300

caaaggaatg agtgttatgc aacaacatgt tgctttcttc gaccaaaacg acgatggaat 360

cgtctatcct tgggagactt ataagggatt tcgtgacctt ggtttcaacc caatttcctc 420

tanctttttgg accttactca taaacttagc gttcagctac gttgcacttc ccagttgggt 480

gccatcacca ttaatg 496

<210> 7405
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A5

<400> 7405

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aacatcatcc attgccgtta tcgatagccc aatgtcctcc cataagctat ctgataggag 120

agaaatatgg agagttatcc caccatctac ctattgtctc aaaatcgaat ctttcataaa 180

attcgccact tctccaaacg ccgagaagta cgaatcccgt ccttttgaat ccggtggata 240

caactggaca cttattgtct atcctaaagg aaacattaag gaaggagctc cacttaatta 300

cgtttcaatg tacgtccaaa tagacaattc aacactcctt aactctccaa aagaagttta 360

cgcagaagtc aaattcttca tttataaccg gaaagaggac aagtacttaa catatcaaga 420

gacggatgca aaacgctttt ttctgttcaa accatattg 459

<210> 7406
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B10

<400> 7406

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aaacttaaaa gatccaaact tcgaacaatt ttggtgtctg ctatacagaa tccaaatcca 120

ccttctccga ttaaaaatcc cttctctttc gatcatggat gtgtctaaag ttgtcagctt 180

ttcccggaat ttcgccgtct tggtcaaagt cgaaggccct gatccaaagg gattgaanat 240

gaggaagcat gcttttcatc aataccattc tggcantgca acactttcag cttctgggat 300

cttgcttcca anagatattt ttttgagtgg tgaggtcgct gctaaggttc tgtttgaagc 360

tggtcaggac atggccctgg ttttgaccgt tgcatctgtt gttgagccat tcttaacatt 420

aggtcacaga actaagtaan tagtatctct caggatccgg tgaagcttat tccgggtgct 480

atgattgaaa 490

<210> 7407
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B11

<400> 7407

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aaaatgcggg aggcacanat gtgcaatatt ctcggccggg tcactcttga tgccaagaca 180

gctaaagcgt ttaaagaaaa gatcgatgat gagtaccggg tcaacatgat cctcgacaac 240

cttcctctgg ttgttccaat tgaaagagtc gaccagngtt ctccctctgt tgtttatcat 300

cttggttatc atgttggtct taaaagccag tacganggga gcanaganca gaagttcttt 360

atgcacantc acntggcatt tacagtccgc tatcacaaga gatatccaaa ctgatgctgc 420

aatgaatcnt gggatttgag gttcaacctt acantgttga atcatganta tgag 474

<210> 7408
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B3

<400> 7408

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atcgatctta gggtgctaaa gggatctatg acggcgttgg tgaagaatct ctacttgtct 180

tgtgatcctt acatgcgaaa tcgtatgagg aaacctgatc ctctgagccc tgctactgct 240

cagtccttca ctcccggcaa gcctatctca gggtttggag tgtctaaagt gatagattct 300

ggacactcac nattacgaac gaaggtgact taatttgggg agcagtagga tgggaagagt 360

acagtgttat tacaccaatt cctaatcttc acttcaagat ccatcatacc aattttcctt 420

tatcttacta cacaggactt cttgggtatg cctggnatga ccgcntatgt tggggttt 478

<210> 7409
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B4

<400> 7409

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gggctttgat tttaaaccgt ttgttcatcc aatctacaat gcgataatgt cccgcttgac 180

aaatcaagat caggaccagg aggtcaagga gtgtgctatc acctgcatgg gtcntgtgat 240

ttcaacattt ggtgatcaac tgagggcaga gttaccttca tgccttcctg tgcttgttga 300

tcgantggga aacgaanatc actcgcctca ctgcagtaaa ngcattttct gtcattgcca 360

cttctccgct tcacattnat ctatcatgtg tcttggacca tttgattgca gaactaacan 420

gattcctacg gaagggctaa tccggttcta anggcaagca acactgatta ctatgaanac 480

ctt 483

<210> 7410
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B5

<400> 7410

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aggctacggt ggtgaaggag ggcgtgaatg ggacgatgat gtatatgagg gtgtaagaaa 120

agtgtatgta ggacaagata tcaatcgtat cacttacgtc aaattcgagt atgtgaagga 180

agacggccaa gtcgtaacaa ctgaatatgg gaaaatcatt caacaaccca aagagtttgt 240

acttcaatat ccggacgaac atatcatagc ggtggaagga aactatcgcg gagtggctct 300

atgtgccaca gaggtgatca caaacctcgt cttcaagacc tcaaagggta gaaagtcacc 360

actgtttggt ccaaacttgc ttggaattac gaccggtaca aagttcgtta ttgangatgg 420

gaggaaagaa gatcgtangg tttcatggac gtcgggtaat gctc 464

<210> 7411
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-B8

<400> 7411

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gtgagtttat tttgggggcc gaaatctgtc ctggaggata cagaagcaag atgaagttaa 180

tagatcgaag aatgaggtta acggagctgc tcttacggtg ctccatcagt gtcttcgctc 240

tcctcgcgct tattctagtt gtgacagaca ctgaggtcaa gcttatcttc actatcaaga 300

agacggccaa gtacacggac atgaaggcgg ttgtgttctt ggtggtggct aatgggatag 360

ctgcggttta ttctttgttg caatcaagtt ccgttgcgtt ggtggggtac gatgaaagga 420

aaggttttgt ttagtaaagc ctcttgcctt ggggcctttt ctcctgggtg atnaaggcga 480

tgggcgt 487

<210> 7412
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-C1

<400> 7412

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tgtccgaata atctctcttc aagtacctct ttttttctgat tctgtatatc gccatgaant 180

actgatttcc ctctctatan acccatcana gtaaaccaat ttctcctgtg acttgtacct 240

aactcgatct taccanactg gtgatggcgt ctttgaaccc tttcgatctt ctaggagatg 300

atgctganga tncaagccag ctcgctgtgg ntttgtcgca naangtcnag aaaagctgct 360

gctgctgttc aagccctcct aaggncngct aagttccnaa acaagncggn tcctccttct 420

caagcaactg acgggantcn aaggaatgcc tcctncaagg gacgtccgtg gntgggactg 480

ggnggacgtt gttggaat 498

<210> 7413
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-C10

<400> 7413

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ctaccgaagg atcttttaga cctaatttca aaatctctag aatcttcctt cgatctcatc 120

caattccgtt ccgtttgttc ttcatggcga tccgccgccg agccgaaaag tcctcttcca 180

acacatcatc ncccgatcct ccccgataac ggggggagtc ncntccctga ttccgccgtt 240

ggtttccgtc tctcgcancg gagtatctta cntatcaagc ctcatgaacc gtgtatcgaa 300

ncggattcgt ttggatggtt gatcaangtc gaggaanatc ntaatgttcc tcntaaggtg 360

actcttttag atcngtnang tgatacnaga aacncaattc ctgagaattt ccctcgtgtt 420

ctcgatatgt ccaantttaa ngttcgagaa ttgggtcgtg aattcaagc 469

<210> 7414
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-C3

<400> 7414

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tttccagaaa gcaaaagcta ttcgaatgcg taacagtcac aacaagtatc taacagcaga 180

cgacgatgaa ngaaaccgta actcaaaacc gtaacggatc taccaaaaac gctcgatgga 240

ccgtcnaacc ggttcgtgat tctttccatg ttattcgtct taaaagctgt tacggtaagt 300

acttaaccgc ttctaacgag cggttcttgc tcggggctac ggggaagaaa gtgattcant 360

tgaaactgag tcgggttgat tcgtctgttg agtgggaacc gcntagagga aggggtccta 420

agattaanct tatgactaga tctggtaact atttacgagg taatggtng 469

<210> 7415
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A11

<400> 7415

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cagaatctgg ctggtcagcg ttctgatgtg ctcgagaatc tgactcccaa tgtgagaaag 180

cgcgttgatg ccttgaggga tatacagagc caacatgatg aactanaggc aaaattccgt 240

gaggagagag ctattcttga agccaagtat caaacgctgt atcagccttt gtatgtcaag 300

cgttatgaga ttgtgaatgg cactactgaa gttgaactgg ctccacanga tgataccanc 360

gtggaccaag gagangagaa aactgcagaa gagaaaggag ttccaagttt ctggctgaca 420

gctctgaaaa ataacgatgt naattccgaa ggagg 455

<210> 7416
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-D9

<400> 7416

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ccattagggt ttctaatttc actcttcttc attgttactt ttcttgcacc acaagtcana 120

tctagggctt tctttgtctt tggtgactct ctcgtcgaca atggnaacaa ngactacctc 180

gtcaccactg cncgtgccga caattacccg tatggtatcg actacccgac ccgtagaccc 240

accggacgtt tctcgaacgg ccttaacatt cccggacatt atcagtgagg ctataggcat 300

gncgtcgact ttgccgtang ttagnccggc atctcaccgg aagaaaatct tcnaggtcgg 360

tgctaatttt gcctccgnag gaatttgga 389

<210> 7417
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-E7

<400> 7417

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atgccgagtg tttgctagag aagaacttcc atgaggattg ttctggctgc aaggttgatc 180

agatgaagag gcttcgccgt ggatttccct tctgggagct ttttaccgtt tggatcatcg 240

ttctttgcac cgctttgccc atttcttctc tattcccctt tctcnacttt atgattgatg 300

atttcaacat tgcaaagaat gaagaggaca ttgggttcta cgctggattt gttggttgct 360

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<210> 7418
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-E8

<400> 7418

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tgctcgtcac acttcgtcac tccaccagcg acaatcgccg cagaaacctc tacgaaactt 120

gctacaatgg agttttcatc acaagacgac gattttggag gagacgattc cgctgctaat 180

gccaccaggg cttcaggtaa tanaagaagc ttcggtgatc ttgangacga tgaagatgat 240

attttcggat caacaacggt agcgcctggt gttagaactg ggatgatttt gtctctccga 300

ggaagtctta agaattgtaa agatgatctt gcttcatgtc anaatgagct cgagtcagca 360

anancagaga ttcaggaagt gggagtcagc ntttcagaag tgngtccctt tgg 413

<210> 7419
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-E9

<400> 7419

cangtaaaag tcaagaattc ccgggtcgac ccacgcgtcc ncccacgcgt ccggtcttgc 60

tgctctgtgt tgttgctgtc tcttggatgc ttgcttctga ttggagtctc tctctctctg 120

cataaagctt cgggatttat ttgtaagang gttttggtta aacaaaaacc ttaattgatt 180

tgtggggcat taanaatgaa tctctcnatg attctctttc gttttatgtg taatgttctt 240

cggttcataa cattttaact attgtctanc gacgttctgc cttagtttgt atttgattat 300

gggaatgtaa attggttggg agacactatt ctaaanaaaa anagaaaang 350

<210> 7420
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-F2

<400> 7420

ttcntcctct tcacctgtaa tctctccaaa atcagaaaaa tgacttcttc agtactaacc 60

ccaagcttaa agcttttagc tatgacgaat tcttcctctt cgacccttttt ttgtattcct 120

tctatcttca acatctcgtc ctctgaatct caccgcttca atttttcctt atcctcacga 180

cncgttaatc tcacactctc tctcaaatcc aaaactcttc gtaactcatc tcctgttgtt 240

actttcgttt cccaaacttc gaattgggct gaggaagaag aaggtgagga tggaaggcat 300

cgngaggtac ttcagtcact gtagatgaag agtttcgagt ctgaangacg gtgttggntt 360

ccggagccan cggnagaggn taaattaatc ggtcggnaac tttgcgtac 409

<210> 7421
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-080-Q1-E1-F3

<400> 7421

cgataacatc caatctctct ttatattcct tccttccatt gtggcaataa gtaacaaacc 60

ttgccctcta cttcattccc tccttgtttt gatttcatcg tctttgttag ctctcctctg 120

ttttttttte ttagtcaatc gatggcgaag gagcttgctg ataaggctaa agaggctttc 180

gtagacgatg acttcgatgt tgctgttgac ttgtactcca aagccattga cttggatcct 240

aattgcgctg agttcttcgc tgatcgtgct caggcctata tcaaactcga aagcttcact 300

gaggccgtgg cagatgcgaa caaagcaatt gagttggatc cttcattgac caaagcttac 360

ctaagaaaag ggaactgcct gtatgaagct tgaaagagta tcgggctggc taaaacag 418

<210> 7422
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-F5

<400> 7422

acgcgtccgc ggacgcgtgg gttctctttt agggattgtt tttttaacaa tttttgcctt 60

gccataagca atacaaccat ggcaaggatc tctctgttgt tctcattagc ctttgtttta 120

gccctcggct cagtgttcct ttccgtttcc ggtcacgctc ctcccgtgac accgagaaaa 180

tcagcatgtc caaaaacagt atccgaactc cagaccttac cttttaccga aatcactgag 240

atcctaaacc gaaaagagcg gtctgccccg aaaaccccctg agttcaaggc aatgttcaca 300

atgtgcaaag gctacgtgac atacctcgag agcctctaca agtttganga atcncattgg 360

tagatgtttt aggaattgcc aagaccaaga tacacccctg angaacaagg gcaattcct 419

<210> 7423
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-F7

<400> 7423

gggctaatct gaatacaact attactaaca ataattcact tatctaaaga ccatcatctg 60

actgactcta cgctgaatca tcacgaggaa gacttgaatc gaccggngaa gagatacgtg 120

tagagatctg attggctcac cggagagaac aaancangaa atggggagga cgacgtggtt 180

cgacgttgac gggttgagga aaggagagtg gacggcggag gaagaccgga agctcgtggt 240

ttacatcaac gaacacggtc taggcgagtg gggttcactg cctaagagag ccggtctaca 300

aagatgtgga aagagttgta gattaagatg gctgaattan ttgnggcctg ggattanaan 360

gaggcaagtt cacncctcac gaagaag 387

<210> 7424
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-F8

<400> 7424

acgcgtccnc ccacgcgtcc ggctacacat aaactgctga ccgatcccaa aggttgaaag 60

attctttggc gctaaaaaat ccccagttcc caaatcggcg tcctcgtttg aaaccctaat 120

tcctgaatcg aagcagatcc tgatcgaatc gaangtgttc gaatgatagc tacccagtaa 180

attcagaacc ctaattaaca atgggcggta cggacgcgaa ggacattcnc gggttgccga 240

anactccact gtctttaact caggagaaga aatctcganc ccagaaagag tcccatanaa 300

aacccnatgg catttctcgc gaggtttatg cgcttaccgg nggcgttgca cctcttangc 360

cttg 364

<210> 7425
<211> 395
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-G10

<400> 7425

tatttcattg cacccgctct cgccttctgc aactcttatg gaacggggct cacagactgg 60

agcctagcat caacctatgg aaagatcggt cttttcataa tcgcttccgt tgtaggaagt 120

gatggtggtg tcattgcggg tttagctgcc tgtggtgtta tgatgtcaat cgtctccacc 180

gnagctgatc tcatgcaaga cttcanaaca ggttacctca ctttancanc tgcaaagtcn 240

atgtttgtaa agccanctcg tgggaaccgn aatgggctgt gtaatcgctc nactcangat 300

tctgggtgtt ctggactgcc tttgacattn ggaggatccn aatgggcccg tanaaagcaa 360

cttaagnaag ngnttttccg tgaaaattgg ggnat 395

<210> 7426
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-G3

<400> 7426

acgcatccgc ccacgcgtcc gcccacgcgt ccggggtttt tgtctctagc ctcctcaagc 60

tttgcaaaca atcatggcga cccagatcag cannaagaga aagttcgtag ccgatggtgt 120

gttttacgct gaactcaatg aggttctaac cagagagctt gctgaggatg gttactctgg 180

tgttgangtt cgcgtcactc ctatgcgtac tgagatcatc attagagcca ctccgtactc 240

aanacgttct cggtgagaag ggaangagga ttagggaatt gacatcnctt gtacaaanng 300

agattcanat ttcctcagag acagtgttga gctttatgct ganaaagttg cgaacanaaa 360

gtcnttgttg cgattgnaca ggcngagtct ctccgntaga aggcttcttt gcgnggtcct 420

tgcctg 426

<210> 7427
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-G7

<400> 7427

aattcccggg tcgacccacg cgtccatctc gttctgatta ccatgaagag gttatcgaac 60

ttttcaaaca catgcttcaa tcaaacatcc gccctgataa gtacacattc gttagtatct 120

taagtttgtg ttctaagctc tgtgacctta ctcttgggag ttctattcat ggtttgatca 180

ccaaaacaga tttcagctgc gctgacacat ttgtatgtaa cgtactaatt gacatgtatg 240

ggaaatgcgg aagcattagg agtgtaatga aagtctttga agaaacaaga gagaaaaacc 300

tcattacatg gacggcattg atttcgtgtc ttgggcatcc atggatatgg acaggaggca 360

cttgaaaagt ttaaggaaac actgtctttg ggttttaagc caagatcgtg tctcgttcat 420

cnctattcca actgctt 437

<210> 7428
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-G8

<400> 7428

aggtaccggt canagaattc ccgggncgac ccacgcgtcc ngtaacatta ccaaaacgaa 60

accttccttg tggattccca cttctttctt ctgttttctt cttcctcttc tttaaattgg 120

atgttttggg caagaaacag agagaaacac gttaatttga gagtttgtca ttgaatattt 180

ggtttgcaat ggaaagagat tttctgggtt tgagcgacaa gcagtatcta agtaataacg 240

ttaagcatga ggttaacgat gatgctgtcg aagaacgagg gttaagtacg aaggcagcta 300

gagaatgggg gaagtcaaag gtttttgcta cttcaagttt catgccttct tcagatttcc 360

aggaggctaa ggcgtttccg ggtgcatacc agtggggatc agtttctgcg gccaatgttt 420

tccgcagatg n 431

<210> 7429
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A1

<400> 7429

gttccncgac tcccgggggc ccccacgcgt ccggaangtg gttcggacaa cagtagcatg 60

cgagtgcgtg tatgtccggg caatggttat caaagcattg atatggatgc aaagtccaga 120

tgaatcattg gatgagttaa aatcaatcat tgcctcggag ctttcagatc ctggttggcc 180

tgcagctcta gtcaatgatg ttttgcttac tttgcatgcc cgctttaagg caactccaga 240

tatggctgtt attcttctcg aaattgccag aatatttgcc accaaagttc agggaaaat 300

tgacgctgat gtctacagct gctatggaag acatgtcctt gttggagcct gggtcctgac 360

gggaaacaca canctctggg aagcantcac gaatagtacn ccatctaaca actccaacaa 420

ccgggggtcc aatggcttgg actgacatca aattgatagg gnctctgcat caaattccta 480

<210> 7430
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-A10

<400> 7430

ctgtctcgct tgncctgccg gtccgatatt cacggggccc cccacgcgtc cggaaaagga 60

ctcgccggtc ccatggtact tacctcttga caaaatgcct cnangctctg aagcaggccg 120

gttttgaagt gatatgggaa aaggatctgg ccaaggactc gccggtccca tggtacttac 180

ctcttgacaa aaatcatttc tcactcagta gcttccgcct tacagctgtt ggacgattca 240

taaccaaaaa catggtcaag atccttgaat acataaagac ttgcacctca angaagccaa 300

anggtctcaa atttcctgga gcangctgcg gaangattag tccgacggtg gaaggagaga 360

gattttcacg ccaatgtatt tcttcttggn ccggaagcca gagtaagcgg atgagagatg 420

gcgatggtca tcgtaggtcg aatgaagtga canaatttct caatttgcag tcttattttc 480

tatgtt 486

<210> 7431
<211> 394
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-D8

<400> 7431

gggcggacgc gtgggttcga gatcgccggg gagtgattct aatgcgtcga ttgttgggga 60

tcttctggat tatcttaatg aatcctggac acagtttcac gccactgctg aggcgaagag 120

acagcttttg gctgctgggt ttgatctcct cagtgaaaac gaagactgga atctgaaacc 180

tggtggccgt tacttcttta cacgaaacat gtcctgtttg gttgcttttg ctgtcggaga 240

aaagtatgtg cctggtaatg gttttcatgc catagctgct cacaccgata gcccgtgtct 300

taaacttaaa ccgaagtctg cttcatccaa gtctggcnat ctcatggtga atgttcaaga 360

cttatgggag gtggtttgtg gcacacatgg nttt 394

<210> 7432
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-A7

<400> 7432

aaacgaagaa aaacctagaa aacagttgaa gaaagaaaat cacaagagaa gccatggccg 60

gaattggacc gattactcag gattgggaac cagttgtgat ccgcaagaga gctcctaacg 120

ctgcagctaa gcgcgacgag aagactgtca acgccgctcg tcgaagcggc gccgatattg 180

agaccgttcg aaaattcaat gctggatcna acaaggctgc atcaancggc acctccttga 240

nacacaaaga agctagatga tgatactgag aacttatctc atgatcgtgt tgccactgaa 300

ttgaagaaag ccatcatgca agctannagg ggagaagaag ctgactcaan tcccaanctt 360

tgcncatctg attaaatgag nanccacaag tgatccannn aatacgangt ctngggaaan 420

gcaaatcccg aancaacaag attcttttca aagctggaga ng 462

<210> 7433
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-A9

<400> 7433

tacgganatc ggccgtcgac ccacgcgtaa ngacaaaact gtagagatnc acagtttgct 60

acaaaagttg ggtagaaaga ttgttcgtga tgaatccttt ggaaatcctg gaaaacgccg 120

gttcttgttg gatgctgang atatttgtga tgtatttacc gataataccg gcacacagan 180

tgtactagng tatatctctt aacacattgg aaatcaacgg ggacattgtc tgtagatgat 240

aaatcattcc acggtatgca taatctccaa nttcttaaag ttttcganga attgggcggc 300

gggggaatgg tgaangcata ttgtccttac ctcaaggcct canattcttt gccccgaaan 360

actcagacta cnancactgg tataaattcc cgttgaggtg tatgncttct aacntcaagg 420

gccgaagtat ctgggttaac caana 445

<210> 7434
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B1

<400> 7434

tggttttctg gccccacggt ccggaaaacc gggtcgaccc acgcgtccgc actgcnccac 60

ggagctctcg gaaatttgtc ttccccttgt cgtcgtctcc ctatctactg cttcttcttc 120

gttttcgtct tctttatcaa ggaatgctgt ttaattggaa tcaacaatgg agaatttgac 180

ggaaatagaa tcaacgatgg agagtttaac ggaaatggag agtgagagag ttgaacaggg 240

taccgataag gaaattggaa gtggagagaa aaggcaggat gatgtaaagg aaacggagaa 300

tgagaattct gggagagaga gtangagagg aagctcctgt cagggaacat gaaagattct 360

ccatgtctca ttgttattga agaangtact tccctaactt cccttgaaga agtgaccaat 420

gctgatgatc tgccgaaaga ttgatgatga gaaagaantc ccaanttgaa acaagcccgc 480

atccaagtcc ctctccntca ata 503

<210> 7435
<211> 450
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B10

<400> 7435

acgcgtccnc cgaggcccaa atctttctct tttctataat cactcactgt ttggtttttt 60

atatttgttt tcaaaaactt tgggaatttc gtcaatggag cctgacgtgg tggagatccc 120

tcctcctcct ctgatcgctt cgggttctag aactcgtaaa cccagaaagg ctgttcctga 180

agtgattgat gtggaaagtt atgaattccg caatgttggt gttgttaagg ataacaatgt 240

tgttgataag aagaacaaag ggaaggcaat acaagttgac tccttttctt tcaacaacgt 300

tcaatctcan catcatggat cgtcgctgnt taacttagag acgttccaag actattangg 360

tcataagaac atccctttta gtgaatttgc tnantcaacc aattgancgt tgatgactan 420

tcantgtagc aagacgttct aaattctaan 450

<210> 7436
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B3

<400> 7436

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gagtttccaa gtttaaaacc tctctacctc gatttgagca aatcctgatt tactctcatc 120

ctcatcatct ctcatcatcg agattcatag tctcttttgc cgcttggatt cttccaaggt 180

tagtgagctg ctatggcaac tcatcagcaa acgcaacctc cttccgattt tcccgctctt 240

gccgatgaaa attcccagat tccagaggct actaagcctg ctaatgaggt tcagcaagct 300

accatagctc acgatcctcc aacatctgtg tttaagaatt ctgaancaaa tacgggaaga 360

ttaaanttca gaaacgccta tcaaaattcc ctttccancc gangggttan aggntccccc 420

tggtaaaaca tagaaaattc tttccttggn aag 453

<210> 7437
<211> 457
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B7

<400> 7437

acgcgtccgc cancaaaaac gagagtctct tcacggtcaa agaactaaac gacatggtat 60

atctacaagc agcactttca gaaacaatga gactttaccc tccaatacca atggaaatga 120

aacaagccat cgaagacgat gtgtttcccg atgggacatt catacgtaaa ggctcacggg 180

tttactttgc gacttacgcc atgggaagga tggaatccat atggggaaaa gactgtgaat 240

cattcaaacc agagagatgg atccaatcag ggaatttcgt gaatgatgac caatttaaat 300

acgttgtgtt caatgctgga ccaaggctgt gtttagggaa aacatttgct tacctacaga 360

tgaagacaat cgctgcttca gtcctgtcta ggtactcaat aaaggttgct aaagatcatg 420

tanttgtccc ccagaagtaa ctacaacctt gtanatg 457

<210> 7438
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B8

<400> 7438

acgcgtccgc taaatttcag tacctgcaac tccttttttct caactttccg atcatatttc 60

tcaatcggag aaactgattc gacgaacatc atgagtcgct acgatagccg gaccggcgat 120

tccacctcgt accgtgaccg tcgaagtgac tcagggtttg gtgggacttc atcatatgga 180

agctcaggta gtcatacatc tagcaaaaag gataacgatg gcaatgaatc tccaaggaag 240

ctagatttag atggtttgac tccttttgag aagaattttt atgtcgagtc tcccgctgtg 300

gcggctatga cagacacaga agtagaggaa tatcgaaagc taagggaaat tactgttgaa 360

ggcaaagata ttcnaaaact gtcaagagtt ttcgtgatgt tggctttccn nattatgttt 420

tggaangaag ttaagaaggc tggtttttac tgaacc 456

<210> 7439
<211> 490
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-B9

<400> 7439

tggcctaccg anacgatatc ccgggtcgac ccacgcgtcn gcggangcgt gggaaaaaac 60

atgaaaatcc tctcactttc acttctcttg ctcttggccg ctacggtctc ggcatccgtt 120

ccagggctca tcgaactcgt cgattcgaaa accatctttg ggaacgtanc cgaactctta 180

gagaaagaga aactttccat caactacgcc aactgcagaa gctggcacct tggtgttgag 240

acctctaaca tcatagactt cgacacggtg cccgcaaatt gcaaagacta tgttgaagac 300

tacttgatca cttccaaaca gtaccaatac gactccaaaa ccgtgtgcaa ngaggcttat 360

ttctatgcca aaggacttgc cctaagagaa cgacaccgtc aatgtttgga tctttgacct 420

anatgatacn ctcctctcta ntattcccta cnacncanag tatgggatac gggacagaga 480

aggaccgncc 490

<210> 7440
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C1

<400> 7440

ctggttttcc tgcgccccac gggtccggga aaaacccggg gtcgacccac gcgtcccgaa 60

gaaaaaactt ccatgggact gtgctatgtc cgtcgggcga caacatcgac actgaccaaa 120

tcattcccgc ggagtttctc actctcgtcc cttcgaatcc agaggaatac gaagaaactc 180

ggttcttacg ctttagttgg tcttccagct tcttacaagg aacgattcgt tcanccaggt 240

gagatgaaga cgaagtactc aatcatcatt ggcggtgaaa actttggatg tggatcgtca 300

cgtgaacatg ctccggtttg tttaggagca ncgggagcta aagcagtggt ggctcantcn 360

taagctagaa tcnttttcag gaactctgtt gctactggtg aagtttaacc tttgggattc 420

cgaaattaag gtttgtgatg aattgtacaa ctgggtgatg ttgccaactg gttgaattta 480

agggaaaggg agatagtaat tttgatnaat catacgactg 520

<210> 7441
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C10

<400> 7441

acgcgtccgc ccacgcgtcc gcaaaagtgc tcgagagaga gaccttgaag aagaaagaag 60

aagagacgag tttgatatct aaaggaatca tttttgacgg atttaggatc taagtaaacc 120

ctagattgac cgaatatgag tactcaagcg acgggtcctt cttcaacatc agggaggaga 180

agcaattcta ctgtacggcg aggaccacca ccttctaaga aaccagtaca atcagagaat 240

ggaagtgtta atgggaacac ctcaaaaccc aattcacctc ctcctcaacc tcaatctcaa 300

gctccttcta atggagagag aacagtgaag aagcttaggt tatcganagc tcttactatt 360

cctgaaggaa ctactgtttt cgatgcttgt cgaagaatgg gctgctaggc gtgttgatgc 420

ttgtttgttg actgantcaa ggtgcgcttc tttccgggga tt 462

<210> 7442
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C12

<400> 7442

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cgctctcttt cgctctttct tcttccccgc agttcccgga gacgacgccg gaggaaaatc 120

gtacggaaac tttgcttcga cttcacgtgg ccgctccacg aagcgccttt gggtttcgtc 180

ttccccgttt ctctttctct ctcttctttt gcctttgtta ccacgaatag aacgagagga 240

gagagatagg aggagagttt tgggatattg gtggagagcg attatcggga gagccagaga 300

aaaaaataag cagcttcttc ctccctcatc gttgggaccg tgacttttgt tttcttcagc 360

tttaagcana caagaanaaa agatgaccgg cgttggcgan gaatcagctt atctccattc 420

aacctgatga actcaanttt ctctttgaac ttgaagaagc anagctaact gtgatcgtaa 480

agttgccaat tana 494

<210> 7443
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C2

<400> 7443

accggtccgg aaaaaccggg tcgagccacg cgtcccgcta aaaactanag taatccntan 60

atcaatgtcn ncagagatga caaagactcn tctcatggtc tacgcctcgt gtctatagta 120

atgttttaca tgngctcgtc caaattttct cccaagaaat tgatccatat tcgctagagg 180

tgctagaana tgtggcctta ncttcatctt caaagtttaa tatttacgtt gaagctcccg 240

atgaagctct attcggaaga agctgattca cccgcaatag aatatgacaa ggaccggtac 300

aaaatacccg attttattgc ggcttgcgcn atgaagcana cctggatatg cttaaatgtg 360

gttttcgaan acatgaaaga tgagattang ccanttagaa atgaatgttg tcgtgaaata 420

ttganaatgg gcanagattg ccatttcaga ttggttgaag ggctggtccg ccatgttatg 480

tgtaa 485

<210> 7444
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C5

<400> 7444

gggcggacgc gtgggtttcc attaaccctc caattttccc gcctttgtct cactctcttc 60

ccgccttgca ctcgccgggg actccatggt tcanaagcan caagcctccg ccggtccggg 120

tacngagcct aagaagcgtc gccgtgtcgg attttctccc gccgatactg gtgtcgaggc 180

naacgagtgc atcaaaattt atctcgtttc aagcaaagag gaagttgatt cctctgatat 240

ttccagcgtg aagccagttg acntgaatga tttctttgat ggagatggca agatttatgg 300

ttaccaaggt ttgaagataa atgtatggat caatagcatc tcattacatt catatgctga 360

tatcacatac cagagcacca ttaacggana caaangcatc acggacctca natctgcttt 420

acagaacata tttgctgag 439

<210> 7445
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-A5

<400> 7445

cggtccggan atcccgggtc gacccacgcg tccgctgagg tcaagcttat cttcactatc 60

aagaagacgg ccaagtacac ggacatgaag gcggttgtgt tcttggtggt ggctaatggg 120

atagctgcgg tttattcttt gttgcaatca gttcgttgcg tggtgggtac gatgaaagga 180

aaggttttgt ttagtaagcc tcttgcttgg gccttttttct ctggtgatca ggcgatggcg 240

tacttgaatg tggcagccat tgcagcaaca gcagagtctg gtgtgattgc tagggaagga 300

gaggaagatt tgcaatggat gagagtgtgt actatgtatg gaaagttctg caaccaaatg 360

gctataggag tctctagcgc cttgttagcc tccattgcta tggttttcgt ctcctgcatt 420

tctgctttta gtctcttccg cttgtacggt gccaccaaag accgcagaac cacgccgtgg 480

t 481

<210> 7446
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-F8

<400> 7446

tanaagtccg aaaattcccg ggtccaccca cgcgtccgcn cacgcgtccg cggaattttc 60

ccaaaagaaa aacagagaat gatgaagctg caaggggggac ttctccagtg gagtcgtagc 120

agcttaatcc cgtcgattta tacgccaatc aacaaaaccc aattctctat cgccgcctgt 180

gtcatcgagc ggaaccacca gcttacggcg aaggagagac ggcagctccg gaacgagcgg 240

cgggagagta aattggggta tagctggcga gaagaagttg aagaaaagtt gattaagaaa 300

ccaaaaaaac ggtatgcaac gtggacggag gagctgaatt tggatacttt ggctgagtcg 360

ggtccgcaat ggtgggcggt tagggtttcg agacttcgtg gtcatgagac tgctcaaatc 420

ttaactcgag ctctggctcg tcaattccct gaaatggaat tcacggttta agcaccatcc 480

tgttcaagtg 490

<210> 7447
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-G10

<400> 7447

agatttgctc aanaggttgt ccaacatggc tatctccttc tacaacgaca anacggggat 60

aaaactggaa cttgtcaagg ttttgagagc aantttcac ccatctgctg caatcacact 120

ctacatcacg tttgaagcca atgacccttc agatggtaac cagactaaac gttaccaagc 180

agtggttcga tacttgtcct ttgatatcga agtttgctct tgcaatcctg aancatcttc 240

ttcttgaatt ctcttctgaa agttttccac cggcgagnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnngggga agcataaggg cactagcaag tttcaatttg ttccttgaac ttctctattt 360

gaaattaagt tgtantttta tgcccaaatg tnggtctctc ggtgtttt 408

<210> 7448
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-G3

<400> 7448

tagccgtccg aaatccangg tccacccacg cgtccgtgag aaggcaatgc agcttcttga 60

gagtggtttg aaagttaagg agtatgagct tcttaggagg aacttcagtg acactggttg 120

ctttggattt ggtatccaag agcacattga tcttggaatc aagtacgatc cttccactgg 180

tatctacgga atggactttt acgttgtcct tgaacgccca ggatatcgtg tggctcgccg 240

ccgtagatgc aagactcgtg ttggtattca acacagagta accaaggatg atgcaatgaa 300

atggttccag gtcaagtatg aaggagttat cctcaacaag tctcagaaca tcactggtta 360

aaaagtgttt tgatctttaa agatttttgt tgattccaag cttaatttaa agttgttaac 420

ctttgggatg ttaaaagaat ttcctggtgg tagtaaatcc ttttgacatc agtttgggaa 480

naatcctaaa atcctcca 498

<210> 7449
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-G4

<400> 7449

tgttcccctg cncgtagaag tccaaantcc cggnnccctt ccgaaattat ggncaanctc 60

cggaaactta accttctcnc ngtcncncna accataacct ttgncnctct taccatancc 120

accaacttac ctttctttga agtgaaatat cccaacaaca acccttttgg gatgttacta 180

cggccgacac cgatcaagaa ccaatccttg ggtctaccgg ctcatgtcgg gtcagatgag 240

tgtcgggttt ggaccaaagc atgttctgat gagattctta ggctgactta tcagccggat 300

aacgttgcgt ggcttaaacg cgttaggagg acgatccatg agaacccgga gctagcgttt 360

gaggagtatg agactagtag gcttattang tcggagctgg accgtatggg tatcatgtat 420

agatatccgt tagcgaaaac ggggtattcg ggcttggatc ggattcggtg gancgccttt 480

tgttgcggtt cgggc 495

<210> 7450
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-G8

<400> 7450

ctgtttcgcc tgccgtaggc cgtcgaaanc ccaaaattnc cggggccncc cacgcgtccg 60

aaacagagga accaccactc aacacacacc agcagcaccc agaagaagtt gaacatcatg 120

agaatggtgc gactaagatg tttaggaaag taaaggctag agctaagaag ttcaagaaca 180

gtctcactaa acatggacaa agcannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntcgatgc accaggcgta acaggtaaac 300

ctagagaaac taatgttcca gcatcggagg aaattattcc accagggaca aaggtgtttc 360

ctgtcgtgtc ttccgattac accaaaccca ctgaatctgt accaagtaca agangcccct 420

tacggacacg atgcaccggc tcattctgta aggacgacgt ttacatcgga caaggaaaga 480

gaacagagat gttccgattc atcatcctcc tgtcc 515

<210> 7451
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-H1

<400> 7451

antgttagcc tgccgtagcc gtccgaaatt ccagggtcga cccacgcgtc cgctctggcc 60

ctctctctct tctctctctc aaaatttttca gagagagaat caaaccaaaa ttttcgacga 120

cggtaaattg atgtcgtcgg tgatggttga attgccgtcc ggtgtagtat ccggctttcg 180

tctgacatat attggcttcc acagcagtac atggtcggcc cttgtctagc atcatcggct 240

ctttcagcgg tgatggctag ctcacggtgt taatccggcg tagttcggtt ttcttttcct 300

tttggtttat atcacggtta cgtttcgacc gttgattgtc tttagatcag aattcattgg 360

gtatgtgtgt tggtgatggc gttggttttc aagtccaagc ttgcttaatt agatctaatt 420

ccaacctatc ctttgagttt aaggtttacg gataataatt aagcagtttg cgtttttgag 480

atgaaagatt caaaagctcc ttcctc 506

<210> 7452
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-H2

<400> 7452

gttgccgtgg ccgtccgaaa ttcangggtc gacccacgcg tccggtttag tgaagccaag 60

taagcaaagc cccttgtttt tgacggacat tatatctcct cctcttctct tctataaatt 120

gggcaccttt ttccaatttt acgcacagtc acggagatag atagtaagag agagctatgg 180

cggaggagca cttcgacgtt ctgactaaat ccggtgagaa gaccggtgtg tccaaaccca 240

ggggagaggt tcacagagat ggagattacc atcgtgctgt tcatgtctgg atttttgtgg 300

agactactca acagctactt ctccaacttc gatctgatga taaagattct tggcctggtc 360

aatgggacat ctctaagtgc tggccatata tcagctggtg atacatcgct tctatctgca 420

caacgggagc ttgaggaaga acttggcgta aaaccccaaa ggatgcattt gaaaagatct 480

ccgtttccgc angaatg 497

<210> 7453
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-H3

<400> 7453

ttagcctncc gtagccgtcc gnaattccag ggtcgaccca cgcgtccgat tttctcttac 60

atcacttaat ttataatttc cttttcccat tttttttcaa aaaaggaact atgatttctg 120

tttctgaatt tgttctctgc atagatgaca atgttagtgg tacgtgcatg agaggtaagg 180

tcgttatcag tgatcaagca tttgtgtatg ctcaatctgt ttatgtagaa gacggtgaca 240

acgatgatga cgatatctat gattatgctc cagcagcatg aatggatcat atgaaacatg 300

attttgtacc tttatatatt aatgattttt tgccctaggg tttctttatg ttagttgatt 360

taataccttc agtctttcac tataaatcct ttaatatttg cttctataca caagctcttt 420

gtttcacgtt atagaaagcg atcgaacgaa aaattcaaag caataacgtt ttaataagcg 480

cattgagatn attactaat 499

<210> 7454
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-H4

<400> 7454

ncgtcggaat tcaagggtcn nccnacncnt cnggaaacan tganccatta caatcaacct 60

cccgttggtg ttccncctcc tcaaggttat ccaccggagg gatatccaaa agatgcttat 120

ccaccacaag gatatcctcc tcagggatat cctcagcaag gctatccacc tcagggatat 180

cctcaacaag gttatcctca gcaaggatat cctccaccgt acgcgcctca atatcctcca 240

ccaccgcagc atcagcaaca acagagcagt cctggctttc tagaaggatg tcttgctgct 300

ctgtgttgtt gctgtctctt ggatgcttgc ttctgattgg agtctctctc tctctgcata 360

aagcttcggg atttatttgt aagagggttt tggttaaaca aaaaccttaa ttgatttgtg 420

gggcattaaa aatgaatctc tcgatgattc tctttcgttt tatgtgtaat gttcttcggt 480

tcataacat 489

<210> 7455
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-078-Q1-E1-H7

<400> 7455

acgcgtccga tcctccgcaa tttcgcaatt ttgtgaagga gccgccggct aaatttgatg 60

gcagaccaaa gttcggagat cgtcaatgct ctgtcgtcgg agatggaagc tgtttccgtt 120

tcatcaactc aggcatcttc ttcgtccgat ggattccaga tgagtgaaga agttgagaag 180

agatacaaaa ttgttaggag tatcggtgag gaatgtatac aagaggaaga gctaaagaat 240

cttcttgcta agaaggctgc tccgatttgc tacgacggct ttgaaccatc aggaagaatg 300

cacattgctc agggagtgat gaaagtcatc aatgtgaaca aaatgacttc agctggttgc 360

agagtgaaga tttggattgc tgattgggtt tgctcagttg aacaacaaaa tgggtggtga 420

cttgaagaaa atcagagtgg gttggagaat actttcaaga 460

<210> 7456
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-H8

<400> 7456

acgcgtccgg gaatgttgat gttattggga agcctgattt cgcgtatcag agaggatcgt 60

ctccgatggc ttctacgctt catggtgctt cgattcttct tagattgtca ggaacttggg 120

attggtttgt tagtattant gttgatgatt atcctctcgt tactcaagat gagcttcttc 180

atattatgtc acatttgcct aaggacttga attttgtgaa ccacactagc tacattggtt 240

ggaaagagtc caggaagttg aagccagtta ttgttgatcc agggctctat cttgtggaga 300

aaaccgatat gtttttcgct tcgcagaaac gagagttgcc taaggctttc aagttattct 360

caggtccatc tttctccatc ttaagccgga atttcatgga gcactgtgtc ttaagcactg 420

acaacttccc tcggactcta ctcatgtact tgtccaa 457

<210> 7457
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-078-Q1-E1-H9

<400> 7457

tttgtctcgt tcgtgcagag tattcagcct cactttgatg ctgtgagctt taacaatgtt 60

caaggagact gtgtggcgac ttaccttgct gaaaagcaga atgtcatgaa gtctttagaa 120

gggattcctg gacgcttctg tctaacgctc gacttttgga cctccaagct aactcttggg 180

tatgtgttta taactgctca ctacattgac agcgattgga aagatacaaa agaagcttct 240

caatgttttg atggaatcgt atccaagaag ctgacgaagc cttgagtctc gcggttgcaa 300

attgtgtttc tgaatggggt ctggagggaa agttgtttaa cgtcaccttt aaccacccgg 360

cgaagtaact ctgcggttga aaacatcaga cctcaactct gcatcaagaa ccctgg 416

<210> 7458
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-A11

<400> 7458

cctagcgana cggaaattcc nggctcgacc cacgcgtcag ggttgataaa aaaagaagac 60

cacatgtttc aagaggagaa gagaaagaca aactatggag caattggctt ggcttgcttc 120

atttcttgtt tctttgcatt ccaattcatg aaaatcgtaa caacacaacc ttcaacaaca 180

acaacatcat ccattgccgt tatcgatagc ccaatgtcct cccataagct atctgatagg 240

agagaaatat ggagagttat cccaccatct acctattgtc tcaaaatcga atctttcata 300

aaattcgcca cttctccaaa cgccgagaag tacgaatccc gtccttttga atccggtgga 360

tacaactgga cacttattgt ctatcctaaa ggaaacatta aggaaggagc tccacttaat 420

tacgtttcaa tgtacgtcca aatagacaat tcaacactcc ttaactctcc aaaagaagtt 480

tacgcagaag tcaaa 495

<210> 7459
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-F7

<400> 7459

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tatcacaatc ataaccacaa aaacaaacac tatgggacac ctcaaaagtc tcttcacaat 120

tcttttccta atagctatgt cttcaaccgt aacatttgcc ggtaaaatac ccgcgatcat 180

cgtgtttggc gactcttccg ttgatgccgg gaacaacaac tatatcccaa ctgttgctag 240

aagcaacttt gagccatatg gacgggactt tgttggtgga aagccgaccg gacggttttg 300

taacggaaag attgcgacgg attttatgtc cgaagcctta gggcttaaac caatcattcc 360

ggcgtacttg gatccttctt ataacatttc ggattttgca acaggtgtta cctttgcttc 420

tgctgccact gggctatgac aacgccactt ctgatgttct ggtacgggac ttttctctcc 480

cttgtattta ttaaattgat aangtta 507

<210> 7460
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-078-Q1-E1-C7

<400> 7460

acgcgtccgc angtgggtcg ggtcaaacca tggttgattc gggttctgaa tttactcact 60

tagtcgacgt ggcgtatgat aaagtcaaag aagaaatagt gaggcttgtg ggatcaagat 120

taaagaaagg ttacgtgtac ggttcgacag ctgacatgtg ttttgatggt aaccattcga 180

tggagatcgg acggttgata ggcgatcttg tgtttgagtt tgggagaggt gttgagatac 240

tcgttgagaa acaaagcctt ttggttaacg taggaggtgg gattcactgt gttggaatcg 300

gacggtcaag catgcttggt gcagctagta atataatcgg gaacgttcat cagcaaaatc 360

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tattgccgtg agtangtgaa tattcttcta cggtcgtgc 459

<210> 7461
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-C9

<400> 7461

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cttatcctta aaatctcacc ggtactccaa ctcccgttca ccggagctct gactctctgt 120

aaagaagaag ggagaaatag ataatgagca gtanaaacgg caatgagaga ttaagaacag 180

tgtggacacc tgaaatggat cagtatttca tcgagcttat ggtggaacaa gttagaaaag 240

gcaacagatt tgaagatcat ttgtttagta aacgagcttg gaagttcatg tcttgttcct 300

tcactgccaa nttcaagttt ctttatggca aagatgtttt gaaaaacang cataagacat 360

tgaggaactt gtttaaatct gtgaataatc ttttgataga agatggnttt anttgggatg 420

atactanaca gatggttgtt gccgataact gcgtttggga tgagtatctt aagaa 475

<210> 7462
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-078-Q1-E1-D10

<400> 7462

gcgtgcaaaa aaaagtcaca gtcgcgagat aaaatccgaa gctagcgaaa agcttcgatt 60

tccagcgatc ctagtgttgg attctacgat tttagggttt aaatcttgag atgtgttcgt 120

tatcaatgca attctcgctc ttgcaatcac caccatctcg tccttgtccg tctttttag 180

ccaaccatga acctaaactc tctactactt cctcctctgt gaccttcccc ttgaagacga 240

acacttggaa gtgtagcgga actgggaatt tgttggtttt gagagttaaa gcttatggtt 300

cttcttctga ttcctctgca gattcctcca cgcctcccaa tggcactcgg cagcccaaaa 360

gcagaaggga tattctactg ggagtatgtt caagaatgtg aagccaag 408

<210> 7463
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-D12

<400> 7463

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atgggtttgt gttaagtttg tgagtatagt tgaaagtttc agttcaattt caatggagcc 120

tccaatagga tttcgagctt ctttattcca attcttactc ttccttcctt atttcattgg 180

attgctattt ctgggtttca tcaaaggtat tgttttgtgc ccactcggta tgcctcgttg 240

tgactatagg caactccgcg gtcatactga gtcttctacc agtccacatc gtttggactt 300

tctattcaat cgtgagtgcc aaacaagtag gaccaatctt gaagatcttt ccatgcttat 360

gtcttcctgc tgccatcaat ctcngggcct aaatgttggg attttaa 407

<210> 7464
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-D3

<400> 7464

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aaaagtcnag caatgtcgtc gtcttggtcc tgcaacaaat gtactttcct caattctgcg 120

tctcagaaac tcaattgcat gatctgcttg gctcctgtat ctctcccttc tttgtctcct 180

cctccacctt ctctctcaat ttccgcgaac gatgaagcta aatgggcttg caaggcctgt 240

actttttga acacgtacaa gaactcaatc tgtgacgtct gtggaacacg atcgccaacg 300

tcttctctct tgggatttca ggatttgact gattcgggtc tcgagagtaa cgacgctgat 360

tcctccgtcg ggtctgtttt ctttcctctg cggcggtgta tcaagcgtaa agctatggat 420

gatgacgtcg tcgangtcga tggtgcttct gttgtttgct ctgaaatcgc aaggtgtcat 480

gaanaagaac anaggagatt gaaacgaaag gggg 514

<210> 7465
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-D4

<400> 7465

cgtagcccgt ccgaaattca agggnccacc aacccgntcn gctnnaccat ttncnctnct 60

tcttctcnan aaaaanactg aaaaagaaat ggggttcctt aagccaacca tggcgattct 120

ttttctancg atggtcgccg tttcatcagc cgtggncatg tcaatcatct cctacgacga 180

gaaacatggc gtctccacca ccggtggccg tagcgaagcc gangttatga gtatctacga 240

ggcatggttg gtgaaacacg gcaaggctca gagccagaac tctcttgttg agaaagatcg 300

acggttcgag atctttaaag acaatcttcg tttcgtcnat gaacataacg agaagaatct 360

tagttataag attgggtttg actcgttttg cggatcttac taacgatgag tataagatnc 420

aagtatcctg ggtnctaaga tggagaagaa aggtgagaga aaggactaac ctacggtacg 480

aaggctcgtg tcngtgatga 500

<210> 7466
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-D7

<400> 7466

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acctaaaacct cagattcatc atcatggctt cttcttctaa ctacgatgga atccttctcg 120

gtatgggtaa cccactcctc gatatctctg ccgtcgtcga cgacgaattt ctcaccaaat 180

acgacatcaa gttgaacaat gcgattctcg cggaagacaa acatttgccc atgtatgatg 240

agatgagtag caagttcaat gttgaataca ttgccggagg tgctactcag aactcaatca 300

aagtggctca gtggatgctt caaattcctg gggcaaccag ttacatggga tccattggaa 360

aggacaaata tggagaggcc atgaagaagg atgctacagc agctggtgtt aatgttcact 420

attatgaaga tgagtcggca cctactggaa cttgtggtgt ctgtgttgtt ggtggagaaa 480

ng 482

<210> 7467
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-D8

<400> 7467

gtacaagtcc gaaaattccc gggtcnaccc acgcgtccgt ncattctctc tctctctctc 60

aacaattaga tctgtttcga taatcacgag gtttccctca cttcctttcc attgctaaac 120

caggatttgc ctcctgcatt tggaaatgga cgcttctatg attaccaatt ccaaatccat 180

tacttctcca ccctctttag ccttagggaa gtcaggagga ggaggagtta tcagaagttc 240

actatgtaac ttaatgatgc caagcaaagt taacttccct agacaaagaa ctcaaactct 300

aaaggttagc cagaagaaac tcaagagagc tactagtggt ggtcttggtg ttacatgcag 360

tggtggtgat aagattctcg tagcgaatcg aggtgaaatt gcagttcgtg ttatcagaac 420

tgctcatgaa atggggattc cttgtgttgc tgtgtattct actatagata aagatgctct 480

tcatgtta 488

<210> 7468
<211> 395
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-E12

<400> 7468

aaagcgaaga atacgcagaa tccatccaat ttagggttag ggctgcccct aatctggaaa 60

cctttgcctc gtttctgatc tgttttccgg atccgacttg angggaaaga agacgacgac 120

gcactaccaa aaacatgggc gcgaattcgc ttccaacgga tgcaaccctc gatctagatg 180

agcagatctc gcanctcatg cngtgcaagc ctctctcnga ncaacacgtc agancattat 240

gtnaaganag ctaaggagat cttaacggac gaaaccngcg ttcaagcctg tnaagtagcc 300

ctgtgacaat ctgcggtgat attcatggac agttccatga tcttgcanag cttttccgta 360

tcgggggaaa gtgtcctgat ancagctatc tgttt 395

<210> 7469
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-078-Q1-E1-E2

<400> 7469

aactgttcgc cttgccgtag ccgtccgaaa ttccagggtc gacccacgcg tccgctcacc 60

agccgccatt caacgccggc gctaacggta acagtcagtt tcctcctcca tctaccggtg 120

cgccgattcc tccgccatat cctcaggcta atcaggaatg gggcaatcca aattgggggt 180

atcaacaaca acaaggtcac acccctcaag ctaatagcaa cgtcgaggac tgggctgtga 240

aagccaaaga atgggcagct gcgaacaagg atcagcaatc acagcagtct gcaccgaacc 300

aacctagcgg acaagtctac cagcagcagt atcctactca tggctatcaa gattttcatc 360

aacaggcagt tccaaggagt aagctatcag cagcatcagc agtttccaag ttccacccac 420

aacacagccc gagagatatc caaattacgc aacaaggaaa cgaagagctt tcctggagtt 480

ggattgcccc aagaaaacct gcctaccaat tctg 514

<210> 7470
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-E3

<400> 7470

gtagccgtcc gaaaattcaa gggtccaccc acgcgtccgg ttttgtctcg ttcgtgcaga 60

gtattcagcc tcactttgat gctgtgagct ttaacaatgt tcaaggagac tgtgtggcga 120

cttaccttgc tgaaaagcag aatgtcatga agtctttaga agggattcct ggacgcttct 180

gtctaacgct cgacttttgg acctccaagc taactcttgg gtatgtgttt ataactgctc 240

actacattga cagcgattgg aagatacaaa agaagcttct caatgttttg atggaatcgt 300

atccagaagc tgacgaagcc ttgagtctcg cggttgcaaa ttgtgtttct gaatggggtc 360

tggagggaaa gttgtttaac gtcaccttta accacccggc gaagtaactc tgcggttgaa 420

aacatcagac ctcaactctg catcaagaac cctgggattc tggatgggtc agttggtaat 480

aaggaantgt gtt 493

<210> 7471
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-F3

<400> 7471

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antctccaat ctaatcgcag catatcttct ccgattccta ttcgtctctg caattgaatc 180

ttccggtagg cgaagatggc gacgtctgcg aggatttgtt gcggaggagg aagtgcatgc 240

gccgttcgtt gtgatcgtcg cacgttaaat ttgaattctc gatcgtcatg tgttgttcca 300

gtgacgaatc gacggnatat gtgtgcgatc gggaagattt cgatgtcgat ggaggatttg 360

tcaccaccgt ctgcggcggt gaagattgaa aggatcggtg gaaggaaacg cggtggatct 420

gttgtgtcga gggagaagct agatgtgtgg ntgagagatt cggtgggttg agatcgtgaa 480

gaatccttan agagtccccg gttattgatg 510

<210> 7472
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-F4

<400> 7472

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ccanttcnna accacttttn atngatcnac acccgcgtgg gtnctccgtt tcgtgcttag 120

atcagagagc tccctcccgt gattccgagc tttaaggtcg gaaatggcgg ctcatgtttc 180

tactggaaac attcataatt tctatcttgc ggggcaggtt tacaggggac aagctttttc 240

atggagttct gcttctactt tcatggcaaa tccattcaaa gagccctctt ggtcaagtgg 300

ggtatttaag gctctaaaag ctgagagatg tggttgttac tctcgtggta tttcccccat 360

caagtgagac ctcaaaacct atcagggctg tttcggtatc cttcttcaac aaaagtatta 420

tgatttcact gtgattggta atggaantan cgggtctgcg ttatgcctta gaaattgcaa 480

agcaagggaa cagt 494

<210> 7473
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-C5

<400> 7473

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agagacagag aagatgggca tggcaatgaa gtcagtttct aacttcgcaa tctttttaat 120

cctctttttg gtcacctctg aaatatctga gatagaagcg aaagataagg aatgtctaaa 180

aggatacatt gatgcgcctt taagctattg tatggctagg atttatccgt cgttgtgtta 240

tcgaaattgt cgtttttaca agggcgcgaa aggtggaaaa tgcgacggtc ttaagtgctt 300

ctgcgacttc tgcagcgaca agccttttta gtcagtttct gatgagaaat gtttgaatct 360

tggcatgtat aatggtttgt gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnacg ctagactttg attgtgttat cactaaaata aatgaagata 480

agtgggactt cggt 494

<210> 7474
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-A4

<400> 7474

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cttcttgact ctgattttaa catcaagaat aggtgggaga aaccaggaca tagtcctttg 120

tatgggtatg atttttggta ccaacctcgg cacaagacca tgatcagcac atcttgggga 180

gcacctaaag ccttctctaa aggtttcaat cttcagcacg ttgctgatgg cttgtatgga 240

agtcatctac atgtttatag ttggccagga ggtgaaataa aacaattaat tgaccttgga 300

ccgactggtc tcttaccttt ggagattaga ttcttgcatg atccatctaa agatacaagg 360

tttgttggga atgcttgtcc aagttatatg atnagaattt tcaaggaaca nttatta 417

<210> 7475
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-A8

<400> 7475

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gtctccgccg ggaatatttt ttttccggta gctatgctcc gaaccgtctc ttgtttagct 120

tcgcgcagct cgtcctctct attctttcgc ttctttcgtc agttccctcg ctcttacatg 180

tctctcacat cgtcgacggc agctctccgt gtccccagtc gcaatcttcg ccgaatttcc 240

tctccctcag tcgccggtag acgtcttttg ctccgacgag gtttgaggat tccctccgcc 300

gcaagttcgc agtgtcaatg ggcagttctc tcgcctctct gttcgcgccg tcgccacaca 360

acccgctcca ctttatcctg atgtaggtca agatgangct ganaagcttg gatttgaaaa 420

agtgtccgaa gaattcatnc tcaaagtgta aatcnaaagg ggaa 464

<210> 7476
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-A9

<400> 7476

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tgtcttcttc tccgtcgaac ttctccgacc acttcgtata gagagagaga gtgacgaaga 120

gtttacggaa tcgaatccaa taatgagtac tgcgtcggct tttagttcaa tccaaggatg 180

ctggttcaag ggcgaaagga aaattcgtgt agcggataag cgagccaaga ggcttacttt 240

gggatcccat gtggcttcgc catcttcaat gagcttcaga gtttcagcta gtaagttctg 300

ttaaacctga aaaggatatt aggattggtc ttcttggtgc aagtggctac actggtgctg 360

agatcgttag gcttcttgca aatcatccgc atttccaggt cactttgatg actgctgata 420

gaaaagctgg ccagtcaatg ggaaagcgtt ttcncacacc tg 462

<210> 7477
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-B1

<400> 7477

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aagattagcc acaatgtatc ttcctctcct ctatcttctg tttctggctt cttgcttgac 120

acatcaagct ttaggccgtg gtcgtggccg gccatcaccg gaaggaagct tggatccttc 180

ttctcgcatc accgtagtcg gngttgtcta ctgtgacacn tgttctaaca acactttctc 240

aagacanagc tatttcttac aaggtgtgga agttcatgtg acatgtagat tcanagcaag 300

ttcaccaaaa acagcagagg aagtgaacat atcagtaaac agaacaacac acagaagtgg 360

cgtgtacaag ctcgagatnc ctcacgtaga tggcatcgat tgngtcgaag gaatcnccat 420

atcatcacaa tgcantggcc caagatnacg naacctcctc tnaaagaaaa aagg 474

<210> 7478
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-B11

<400> 7478

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngatc aaacttgtgc 120

tttgtcttcg taagaacctt cacttcgaaa acgtagccag aaaagtagtt ctaatcaccg 180

gagcttcctc tggcatcgga gagcatgtgg catacgaata cgcaaagaaa ggagcatatt 240

tggctcttgt tgctcgaaga agggatcgtc tagagattgt agcagaaaca tcacgtcaat 300

taggatctgg taatgtcatc atcatacctg gtgatgtttc taatgttgag gactgcaaga 360

agttcatcga tgagacgatt cgtcatttcg gaaaactaag accacctgat caataatgct 420

ggtgtatttc aaactgttct tttcgaagat ttcacacaaa ttcaaga 467

<210> 7479
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-B12

<400> 7479

ggtcnaccca cgcgtccgcc cacgcgtccg aaaagagatg gtgcgtctct atgtatggca 60

gtggcaggca aacaacaggc gttttccctc aggatgtgtg gcactgtgag atatgtaacc 120

gaaagcctgg acgtggtttt gaggcaaccg ccgaagtcct tccgcggctg tttaagatta 180

agtatgagag tgggacgtta gaagaactgt tatatgtaga tatgccaagg gagtcccaga 240

attcatctgg ccaaattgtc ctggagtatg caaaagcaac acaagagagt gtctttgagc 300

atcttcgggt tgttcgtgat ggccaacttc gaatagtctt ctcgccagat cttaagatat 360

tctcctggga attttgtgct cggcggcatg aagagcttat tccacgaaga cttttgatac 420

cgcaggttag tcagcttgga tcggc 445

<210> 7480
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-B4

<400> 7480

accggcccaa naattcccga atcgacccac gcctccgccc acgcgtccgg gtttttgagc 60

gcctgattga accgttttgt tcaggtgttt atgctggtga tccttcaaaa ctgagcatga 120

aagcagcgtt tgggaaggtt tggaaactag agcaaaatgg tggaagcata ataggtggta 180

cttttaaggc aattcaggag aggaaaaacg ctcccaaggc agaacgagac ccgcgcctgc 240

caaaaccaca gggccaaaca gttggttctt tcaggaaggg acttcgaatg ttgccagaag 300

caatatctgc aagattaggt agcaaagtta agttgtcttg gaagctctca ggtatcacta 360

agctggagag cggaggatac aacttaacat atgagactcc agatggttta ntttccgtnc 420

agaacaaaag tgttgtaatg accgtgccat ctcaagnttc caattgggcc cct 473

<210> 7481
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-B9

<400> 7481

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tctcctaagt aataacacca ctgcatgttt ctctcttgag acactccaaa ccatttctct 120

ccgaaaatgt ctgctccttc tggcggtggc gaaggaggag gaaaagaatc agctgctggt 180

ggagtgagtt catcgtctct tgctccgtcg tctctaccac cgcctcgtcc naagtctcca 240

ncagagtatc cagatttgta cgggaaacgc agagaggcgg cgagagttca gatgctcgag 300

agagagattg gttttctcga gggcgaaatt aaattcatcg aaggcgtaca accggcatct 360

agatgcatca nagaagtctc tgattttgtt gttgcaaatt ctgacccatt gatccctgca 420

caacgaanaa gtcgaa 436

<210> 7482
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-C10

<400> 7482

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ggacagtgac aagggtttcc ctgagctgac ggacccttc aattattcat cctcgaaagt 120

tccacacttt cggcaacttg aagtagcagc acgatttaca ttaagtccag agaggatggg 180

agcagtagag cttatgagtg atccatcgag cttatgcaca gtcgagaact atgtggacaa 240

cgttgattta tctgatacgc aattggtgca gaccgtgaga aaggctctta catctgtcaa 300

aactggggac tcagaccttt atagtgagat ggttggagtt atggcacggg acatcaaaga 360

atttaaggat cctgatgtag tggcgcagct tgagacagtc ttgaaagctc tatcangcgc 420

tgtggcttgc ataaat 436

<210> 7483
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-C3

<400> 7483

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ctttctcnat ctcccagctc ttccttcctc ggccagcgtt taatttcccc gatttccctc 120

tccgtcactt ctccggtcaa gcccgctgag aacccatgtc ttgttcntgc aaagctcaag 180

cgttgggaan gaaaagaatg canaccanac agtcttcnga ntctccacaa aatgcatgtc 240

aagtttggag atacagtcaa agtantatct ggacncgaca agggtaaaat cggagaggtt 300

actaagattt tcacncacaa cagtaccatt gtgatcaaag atgtgaacct canaacaaan 360

cacatgaaga gccganaaga nggagagcct ggtcaaattg gtcaatattt gaagccctat 420

tcccangtca aatttgg 437

<210> 7484
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-C7

<400> 7484

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ctacaagtac aatgtgttcc agatcgggtt tgttgtcctc gctggattga ccttttttata 120

ttacattgcc tttggatgga gaagaaaaaa gccgagcggc agattccagc tctctaccta 180

atgtaaatct cttcttttga ttttatcgtt tatgtttcct cgtctctggg atcgatcgcg 240

tgccactgag gattgctgtg tccacaatta taccgagatt ggtctcatga tctgtgcaag 300

tggtcttata tcataagaac aagcacctgc ccaaaaagct tctctttctt ctgcttctct 360

ttgctgctga ggtttgtttt catttcactt gaatgtaaaa ttaatcctct ttttctcgta 420

acttttcccc tgtatccant gcttaaattt tg 452

<210> 7485
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-C8

<400> 7485

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ttctggtact ccatgactaa ggcattctgc atagcctttc ttatgacatt cttctcggtg 120

tttgatgttc ccgtcttctg gcccatactg ctttgctact gggtcgttct ctttgtcctc 180

accatgagac gccaaatagc ccacatgatc aagcacaagt acattccttt cagcatcgga 240

aaacagaaat atagcggccg gaaatcttct gcgaacagcg gcggcggctc tcgtgctgat 300

tgatttcaac ttgcagccac attttctgca gaaaaagaat gaaaaaaagt tgggttttca 360

cgttggaacg ttttgtagtg atgaattact agtattgtta tgcttctaca atgaagaaga 420

angaaacaga aaagggtcat taatttttaa gttgcaagaa n 461

<210> 7486
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-C9

<400> 7486

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cggaagaaca caacagtcag atacttttttc ttcttatttt gtccgtaccg aaatcggaaa 120

atggacatta ctgttcgaat ctccggctta aaatcctcca atctaatccg gataacccct 180

agattctcat cttcctctag attccgttgc tccaacaacg aacctcctcg aaagggaaac 240

gagtccaacg gtggtggtgg tgataaagcg tcgacggact gggacaaggc gtggaagaat 300

ttcaagaagc agagcaagaa gtcattgttc tcgcaattca acgtggacaa gtacgtgact 360

tggaatcctc ccagatcgga gtttgatttg tcggaagaag tcgatcctat aaaaagaaca 420

gagagatcca atctcatgct ctggacaagt ccaaggttca cacttgttgg agccatc 477

<210> 7487
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-A3

<400> 7487

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gagtttggag ttgagattcc tgtcgctgga ggttctttct cttatcttag ggttgaattg 120

ggggatttta ttgcctttat tgctgctggg aatattcttc ttgaggctat ggttggtgct 180

gctggattag ggaggtcatg gtcttcgtat ctagctagtt tggtcaagaa tgattctgat 240

tattttcgga ttaaagtcga ttcctttgct aaagggtttg atcttttgga tccggttgct 300

gttgcagtgc ttttagttgc taatggtatt gccatgactg ggaacaaaga ggacttcttg 360

gttgaatttg attacttcca tggtcactgt ttgtattaan tgtgtttaan cgtcnttgtg 420

gggtttaatc attcaaaaac ctcaaattgg gtccctttt cccctanggn nccaaaaggg 480

tngggccaac t 491

<210> 7488
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-F2

<400> 7488

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tcctttggag ttgaagaagt gtatagatta ctttgaagag agaaactatc tttcgtatgc 120

agtgaattca cataacaaag attgtgtcaa ttactgaact ttttgcagag tcaagttagg 180

gaattgcata aggctggtca ttctggtcat actactacta tgatgcttct tgggattcct 240

aatgtaggaa agtccgctct ttcaaattct cttcatcata tcggaaggat tagtgctgca 300

gagaaaggta agctaaagca tacaacagtt agctccaagc ctggagatac taaagacatt 360

atgnagcttg aagatnggta ncatcccaat gtcaagtact ggaaacgcct ggaantt 417

<210> 7489
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-F3

<400> 7489

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gttcttcgat attatctctt attactatta ggctattatc atcgccttat tggggaaaaa 120

gcttcaaact tttatataaa gtctcttcct ttttctttct ttctcggtgg aatttgcagc 180

aatggaagat aaaccattag ggattctcag ggttcatgtc aaaagaggga ttaatcttgc 240

tattcgtgat gccaccacca gtgatcctta tgttgttatc acattggcta atcagaaact 300

gaagacgcgt gtgattaata ataactgtaa tccagtgtgg aacgaacaac tgacccttc 360

catcaaagat gtgaatgatc ctatccgtct gacggtgttt gataaagata gattctcggg 420

agatgacnaa atgggtgatg canaaataga ctttaggccg ttcctaaaag cgcatcaaat 480

gg 482

<210> 7490
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-F4

<400> 7490

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac cgacgatctt ccacgccgtc 180

ggatacatcc cagctttgac ccgcttcaca acgatccgga cccggatgga taggtctggc 240

ggctcatatt cgccgcttaa atccggatca aacttcagcg atcgaccacc cactgaaatg 300

gcacctctat ttcctggttg cgattacgag cattggctta tcgtcatgga gaagcccgga 360

ggtgaaaatg ctcaagaaac agcaaatgat cgattgctat gttcaaaccc tagctaaaat 420

tgttggcaat gangaaaaag g 441

<210> 7491
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-F7

<400> 7491

acgcgtccgc ccacgcgtcc gattagtttt gttcaaacaa attttggtcg tctccactca 60

ttgagtttag agaaatctcc cagaatcatc aaaaggtctt tactttgaga ttgtcactat 120

gaattgcgca atcacagagg atgatttgat cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa agcagatcct atctctctta ccttcaatcc 300

aaactctgac ttctgcaagt ttattgtctc caagtgtcgt ctccttcatg gacgatactt 360

tcctacgttc tggctttcaa gccctcatct tcaaacaagc tttccttaac ctttttggaa 420

agtctcctcc tttctc 436

<210> 7492
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-F8

<400> 7492

ctttganaaa aaccagaggt tgaagaatat agaacagagt ttttcaagct tgttgtggga 60

actctatcgg tcccgatcga tatcccggga acgaattacc gcagtggagt ccaagcaaga 120

aacaacatcg ataggttatt gacagaactg atgcaagaaa gaaaagagtc tggagaaact 180

ttcacagaca tgttgggtta cttgatgaag aaggaagata accgatactt gttaaccgat 240

aaagagataa gagatcaagt ggtaacgatc ttgtattccg gttatgagac tgtctctaca 300

acctccatga tggctcttaa gtatctccat gatcatccaa aagctcttga agaactcaga 360

agagaacatt tggctataag ggagagaaaa cgacctgacg aaccgctcac tctcgacgat 420

attaaatcga tgaaattc 438

<210> 7493
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-G12

<400> 7493

aacttgggca ggagatattg gcaacagttg gagaacaaca ggagatatcc aagataattg 60

gaaaagcatg acattgatag cggatcagaa tgatcgatgg gcatcttatg caagaccagg 120

atcgtggaac gatccanaca tgcttgaagt gggaaatgga ggcatgacta aggaagaata 180

catgtcgcat ttcagcatct gggcattggc aaaagctcct ctgctgatcg gctgcgatct 240

tagatcgatg gacaaagtta catttgaatt gcttagcaac aaagaggtga ttgctgttaa 300

tcaagacaaa cttgggatcc agggaaagaa agtaaagaaa gaaggtgatc ttgaggtatg 360

ggcaggtcca ctaagcaaga aacgagtagc ggtcatcct 399

<210> 7494
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-G4

<400> 7494

caaaactcgc cgccgcgaac tcgctgccga ctcgttttcc cgatttctgc tccgccgcga 60

atctcttctg ttttcctgat ttaggagcga gtctcgagaa acacgacgac gacgttaaat 120

tctccgttta tgaccagaag aacttcacta actacggcaa tgctcgtgcc ggaggagcag 180

attcgttcaa aaactactcg aaagacggta atgtcgtaac cgattcgttc cggagataca 240

gccgtaacgc ggcgggtcac gacgataaat tcactgtcta cggtgaaaac agtaacgtgg 300

tagaggaagg attcaattca tacggaacat tcggaaccgg cggcgccgga gatttcacta 360

actaccaaaa caacgtgaac aatccaacga gtcgattcac ggggtattcc gacggaggt 419

<210> 7495
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-G6

<400> 7495

gaatcaaaga taaacggagg agaagagagc ttcgtcgtct tcttcttctt cgcctccatg 60

aatctcctca agacgattca ttaccagtct accattactc gattttaccg ttttgccccct 120

acacgctcct ttgcttcttc tgtgtcactc tctccacaga gacacataat ctctctcgtt 180

tctatctcta atcgtggaag gtgcttcgca ttctcgagcg tctctggtgc ttcgctttat 240

aataatcaag aggatgggaa gaaagaagaa tccgagagaa attacgcttc gacgaaggaa 300

ggagatgaag tggtttacca gaaaacgctg agattagtag aatgtgccat gttcgctgct 360

gtgacaggcc tcgtttactt tctcagcaat tctctcgcca ttgagaacta cnttgggtgt 420

ttcc 424

<210> 7496

<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-G7

<400> 7496

acgcntccgc aactttccan tttcttanca nnnancanca accacancan nagtanacaa 60

agactaaana aaaaaagcca gcatcttcgg agttggtggg agagagacag atatggagag 120

gagaaagatt gtgatgtgtg gtgttttatt tcttcttggt ttattatcag ctgttactgc 180

cttcgtcgct gaagctactc gaatcaanag atctcaggtc acggttaccg tttcggattc 240

aatcacaaaa tgcacttatc cancaagtcc agctttcaat ctcggcttca cttcagctcn 300

ctttctnatg atggctcaga taatactcan tgtcncaagc ggttgtttct gttgtacaaa 360

nggtcctgct ccttcaaggt ctaattggat tancnccnta atctgctttg ttgtttcctg 420

nttca 425

<210> 7497
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-H10

<400> 7497

aatatttggt tctactcctg cacatgggtc aactccagga tttagcattg gtggatttaa 60

caacagtcag tcatctccgc tgtttggttc aaaccccctca tttgcacaaa ataccactcc 120

tgcattcagc cagactagtc ctttgtttgg acagaatacc actcctgcat taggacagtc 180

tagttctgtg tttggacaga ataccaatcc tgcacttgta cagagcaaca ctttcagtac 240

accttccact ggctttggga acacgttttc aagctcttca tccttaacta caagcatctc 300

ccccttttggt caaataacgc ctgctgttac gccctttcaa tcagctcagc caactcaacc 360

attaggtgct tttggtttca acaactttgg tcaaacccaa ataggtgcaa tggg 414

<210> 7498
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-H11

<400> 7498

cttgggcagg agatattggc aacagttgga gaacaacagg agatatccaa gataattgga 60

aaagcatgac attgatagcg gatcagaatg atcgatgggc atcttatgca agaccaggat 120

cgtggaacga tccagacatg cttgaagtgg gaaatggagg catgactaag gaagaataca 180

tgtcgcattt cagcatctgg gcattggcaa aagctcctct gctgatcggc tgcgatctta 240

gatcgatgga caaagttaca tttgaattgc ttagcaacaa agaggtgatt gctgttaatc 300

aagacaaact tgggatccag ggaaagaaag taaagaaaga aggtgatctt gaggtatggg 360

caggtccact aagcaagaaa cgagtaccgg tcatccta 398

<210> 7499
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-H6

<400> 7499

cacgcgtccg atcantantt ggttctactc ctgcacatgg gtcaactcca ggatttanca 60

ttggtggatt taacaacagt cagtcatctc cgcngtttgg ttcaaacccc tcatttgcac 120

aaaataccac tcctgcattc agccagacta gtcctttgtt tggacagaat accactcctg 180

cattangaca gtctagttct gtgtttggan agaataccaa tcctgcactt gtacanagca 240

acactttcag tacaccttcc actggctttg ggaacacgtt ttcaagctct tcatccttaa 300

ctacaagcat ctccccctttt ggtcaaataa cgcctgctgt tacgcccttt caatcagctc 360

agccaactca agcattangt gcttttggtt tcaanaacat tgggtcaaac ccaaataggt 420

gcaatgggaa cttttacc 438

<210> 7500
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-H9

<400> 7500

tcttcttctt caaaatctct ctcttcacca aatcctcaga agatgagcaa cgacaaggat 60

agcttcaacg tctccgatct tactgctgct cttaaggacg aggatcgagc tggccttgtc 120

aatgctctaa agaacaagct gcagaatctg gctggtcagc gttctgatgt gctcgagaat 180

ctgactccca atgtgagaaa gcgcgttgat gccttgaggg atatacagag ccaacatgat 240

gaactagagg caaaattccg tgaggagaga gctattcttg aagccaagta tcaaacgctg 300

tatcagcctt tgtatgtcaa gcgttatgag attgtgaatg gcactactga agttgaactg 360

gctccaagag gatgatacca aggtggacca aggagaagag aaaactgcag aagagaaaa 419

<210> 7501
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-A10

<400> 7501

tttctangcc cggtcgtacc ganacanaat tcnngggtcc acccacgcgt ccgcactcgt 60

cagagtcact tcgaccactg tttgcatgtg atccagcaaa cgggttaacc cggacgctcc 120

ggttctgtcg ggccaatgta ccgatccatg tgagagttca agatttgctc ggaaggctca 180

cgttgcagga gaagatccgc aacctcgtca acaatgctgc cgccgtacca cgtctcggta 240

ttggaggcta tgagcggtgg tccgaggctc tccacggcat ttccgacgtt ggtccaggcg 300

ctaagttcgg tggtgctttt cccggtgcca ccagcttccc tcaggtcatc accaccgcag 360

cttctttcaa ccagtctcta tgggaagaga tcggacgggt ggtgtctgat gaggcaagag 420

ctatgtacaa tggtggccgt ggccggtctg anatattggg agtccgaatg tgaatatcnt 480

ga 482

<210> 7502
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-E9

<400> 7502

aagcgtagta agagaaaatg gggggctatg gttataatca aatctttgca gtttcttcca 60

agtataataa gtgcagcatt gagagaaaca aagcacaacg actatgaaac tgccggagct 120

cctttatctg gcaatatgat gcacattgct attgtgggca tcaacaacca gatgagtctg 180

cttcaggaca gtggggatga agaccaagct caggaaagag taaacaagtt ggccaaaatt 240

cttaaagagg aagaagtgag ttcaagcctc tgttctgccg gtgttggtgt aatcagctgt 300

ataattcagc gagatgaagg acgaacaccc atgagacatt ctttccattg gtcgttggag 360

aaacagtatt atgtagaaga gccgttgctg cgtcatcttg aacctcctcc gtccatt 417

<210> 7503
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-A6

<400> 7503

acgcgtccga taccataaaa aacatgaaaa tcctctcact ttcacttctc ttgctcttgg 60

ccgctacggt ctcggcatcc gttccagggc tcatcgaact cgtcgattcg aaaaccatct 120

ttgggaacgt agccgaactc ttagagaaag agaaactttc catcaactac gccaactgca 180

gaagctggca ccttggtgtt gagacctcta acatcataga cttcgacacg gtgcccgcaa 240

attgcaaaga ctatgttgaa gactacttga tcacttccaa acagtaccaa tacgactcca 300

aaaccgtgtg caaagaggct tatttctatg ccaaaggact tgccctaaag aacgacaccg 360

tcaatgtttg gatctttgac ctagatgata ccctcctctc tagtattccc tactacgcaa 420

aatatggata cggaac 436

<210> 7504
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-A7

<400> 7504

ctctttactt tggtcgtcca caatgaaagg aggcagcctc tcgtttctct tcgttctcct 60

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tgaactagga ccaaaaccat cggacatgaa aggaacgcaa gtaataaaca agaaggcgat 180

tcctagctgg gagctttcag gcttcgtcga atacatanag tccggtcaaa aacaaggaga 240

catgcttctc gtantcccgg ccggaaagtt cgcaatccgg ctaggcaacg angcatcgat 300

caaacaaaga cttaacgtta caaanggaat gtantacnca ctgacgttca gtgncgcang 360

gacatgtgcc caagacgaac ggctcaacat atnggtgggc aactgaccag gcgttaancc 420

taaac 425

<210> 7505
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-B2

<400> 7505

aacgattgaa tcttttcttc ttcgttggtt ccaaccctaa tctanggtta ctctcnctct 60

cgcttccttc tgttcttcgt tcttaccgag ttccacgagc attagcttca gagaccttga 120

attggagtgc ggttggatca aaaacagttg agcgaagatg aggattatga ttaagggagg 180

tgtttggaag aacaccgaan atgagattct caaagccgcc gtgatgaagt atggtaagaa 240

ccaatgggct cggatctcgt ctcttctcgt tcgtaagtct gctaaanant gtaaagctcg 300

ctggtacgag tggctcgatc catctatcaa aaagactgaa tggaccagan aagaagatga 360

gaagcttcta catcttgcta aacttctgcc tactcaatgg agaactattg ctcccaatgt 420

gggtcct 427

<210> 7506
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-B5

<400> 7506

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ccgagctcta aaattctcat cgacggcgaa tttcaggtca atccgacgcg gcgaaacacc 120

aacactctgt atcaaatcat tctccaccat tatgtcacca ccgtcaaaag ccatcgtcta 180

cgaagaacac ggctctcccg attccgtcac cagattggtg aatctcccgc cggtggaagt 240

gaaagaaaac gacgtttgtg ttaaaatgat cgccgctccg atcaacccct ccgatatcaa 300

tcgaattgaa ggtgtgtatc cggtgaggcc accggtacca gcggttggtg ggttatgaag 360

gtgttggtga atttatgcan ttggcccaat 390

<210> 7507
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-C10

<400> 7507

gcttcaatct ttgataatgt cnaggaacan gggtttggct gancaagatc ttaaaaaatt 60

ggatgtaact gtgctacatc ctctgtctcc tgaggtcatt tctcgccagg ccactattaa 120

tatangaacc attggtcatg tcgctcatgg aaagtccact gttgttaaag ctatttctgg 180

tgtccagact gtccgtttta aaaatgaatt ggagcgtaac attaccatta agcttggata 240

tgcangacgc caagatttac aaatgtgagg atganaaatg ccctanacca atgtgctaca 300

aggcctacgg aagtggaaag gaagacactc ccaattgtga tgtccccgga tttgaaaact 360

ccantatgaa actattgagg catgtctcat tcgttgattg cccgggtcac gatat 415

<210> 7508
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-C12

<400> 7508

tagatgagat cggacagaac actgaggcgg ttcggacttc tgtctccgac ctcagtcgct 60

ttggccgtgt tgttcagctc acagcgtttc atccctttga gtctgctctc gatgctctca 120

accaagtcaa cgccgtctct gaaggtgtta tgactgatga gcttagaagt tttctggagt 180

tgaatcttcc taaggtcaag gagggaaaga aacccaagtt cagtttagga ttggctgagc 240

ctaaactcgg ttcacatata tttgaagcta ctaaaatccc atgccagagc aatgagtttg 300

ttcttgagct tctcagaggt gttcgccagc attttgatag gtttatcaag gacttaaagc 360

ctggtgatct tgaaaaatct caacttggat tagctcacaa gctacagcaa gagccaa 417

<210> 7509
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-C2

<400> 7509

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aaacccaaag atctcacctt tggttcctcc atatcgccaa acctcgagct ctttctctcg 120

accgagaaac ttcaaatatc attcttttac cgataaaatc tgtttggcag cggagagaat 180

ccgagcagtc gatatccaga agcaggacgg tggtttgcaa gagctcgatg actcgccggt 240

gtctgttgag ctcggaccta tctgtggtga gagccacttc gatcaagtga tggaggatgc 300

tcagaagctc ggtgaatcag ttgttattgt ctggatggct gcttggtgca ngaaatgtat 360

ttacttgaaa ccaaaactcg aaaagctcgc tgctgaattc tatccaagac tgcggtttta 420

tcatgttgat gtcaaccc 438

<210> 7510
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-C4

<400> 7510

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accattcnct ttcgtttcgt ttcgtntcnt ctctnttaaa aacctttctt cgaaangatg 120

acnatctctg ttgagaagcc nattttttgaa gaggtttctg cattcgagaa gagtggggac 180

aatatcggag agttgaaatt ggacggagga ttttcgatgc cgaaaatgga caccaatgac 240

gacgaagctt ttttggctcc tgagatgaat gcatttggcc gccaattcag ggactacgat 300

gttgagagtg agaggcaaaa gggcgtcnaa agagttttac agattacaac acatcaacca 360

aactgtcgac tttgtgaaaa agatgaaggg ctgaatatgg aaaattagat taaatggtga 420

tgagcantt 429

<210> 7511
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-D11

<400> 7511

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gtttaagctc aatcttttct tagaacaact ccaactgttt gacgatttga ctgagagaaa 120

acagagtcat ggaagagact tttgtgccgt ttgaaggaat caagaatgat cttaaaggaa 180

gattgatgtg ctataagcaa gattggactg gtggattcaa agctggattt aggattctgg 240

ctcccaccac ttacatattt ttcgcttctg cgattcctgt catctcattt ggtgaacaac 300

tcgaaagaag caccgatgga gttctcacgg ctgttcaaac cttagcatct acagccattt 360

gcggtatgat acattcgatt atcggaggtc agccactgct tattctcggt gttgcaa 417

<210> 7512
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-D4

<400> 7512

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aantgataca aanctggcaa ctttgtttca attgggaaca agggtttgac tttcaggtcc 120

acacggttcg cactcggata ctaacagaca tggcttgggt caccatgaag gcatacctga 180

acgtggatgg tggtccattc ctaataacca atgtgttcga gttccacaat ggaaggtggc 240

acatggttca tcatcacagc tcagtgatgc tcatcgatga tcaacaagtt gttgttcatt 300

gatgaatgat gataatatct tttagttttg gtttccttct cttcttttat tttcatgggg 360

acaacaaata aagaagaaga aagaaactgc atattggaga aattggctta ttanattttt 420

aagtggttat tatttaagtt ttaactacat gtactgaatg ttctantttt tttttttt 478

<210> 7513
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-D5

<400> 7513

caaagcaaaa tcatattttg cttaaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn actaactctg 120

atatcatatt atcaattttt ccttttcaac acccaaaatc acaatctttc agctttattc 180

tgtttttcct tgcttgagaa ttgtgttcga ttcatgtcta cgaactgaaa tcacaaattt 240

tgccaacgtt ttatgattcc tggttccgta ttttttttt tgtaatcaat agttagctca 300

tttcgaataa tcaaactcaa ttttattgtt catgatttgt tatctgggat aaaagagagt 360

aatgtgctaa ttatgtatac tcaggtattg cttggtgt 398

<210> 7514
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-076-Q1-E1-E12

<400> 7514

gaagactaat cactgaagca gatctattat acggaggacg aagaagatgt atgagcagca 60

gcaacatttc atggatttgc aaagcgattc tgggtttggg gacgatagct cctggctcgc 120

cggcgatgac gatcttcgtc tctctcctca ccaatctgcc gccggtacga actccggcaa 180

tgagaatcta gatcgtcgtc tcttaaaaga tctcgtcgag atggttcccc ttatcgagca 240

ttacatggaa cataaagaaa ggagttcgtt taagcggcgt ggttccatga tctacactaa 300

gatgccttca aaagaatcct tgtcccgaag gggaagaaat gcttctcaaa cagtcccagg 360

aagaaagaag agagaccaag agggaaatga cgatgttatg aacaattcta gggaa 415

<210> 7515
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-E3

<400> 7515

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gcagcagcag cctcaggtat ttttgggatc cggattcaag atcctagacc tggaaccggt 120

agggtccaag cccggttcgg gttcagtttc ggaaaaaaga aaccggctcc accgccaaag 180

aaatcaaggc aggtccaaga cgatggagac agactagttt ggttccccgg cgcaaacccg 240

ccggaatggt tggacggatc gatgatcgga gaccgtggat ttgatccgtt tggtttaggt 300

aaaccggctg agtatcttca gtacgatttc gatggacttg accaaaacct tgccaagaac 360

gtggcgggtg acatcatcgg gatcatccaa gaatcttcgg agatcaaacc gacgccgttt 420

cagccgtaca ctgaagtctt tgggattcaa acggttcaaa aaatgtgagc tgattcaatg 480

<210> 7516
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-E6

<400> 7516

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aggagattga agaagctgaa cgagtaaaaa agagcaaagt ggttatgaca tttgatttaa 120

tcggccgtaa ggttctgtta aatgaagatg atatctcaga actagaatca gggaacagga 180

ttctgggacc acctgagact aaaaacgtga acagaataaa accgaacccg actgcaagac 240

tcgttccaat cttcttagac ccaggaccaa ccgagaagaa gccaaacagc accaccacca 300

agaaagacaa caagaaaaac cgaaacggtt tgtgtctana gatnncagga agggtgcaac 360

atgacagaag tgaactcaaa tacttancaa gccgattcaa aatccggacg gtaatcttgg 420

cc 422

<210> 7517
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-076-Q1-E1-A4

<400> 7517

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tctgtcttta tgcatcttat gctcncgggc natggtacgc atcatggcnt gtgaaacacg 120

gcatctctga cttctccaaa accataanag tcttcatggt tctgatggtc tcagccaatg 180

gtgcagcaga gacactcacn ctggctcctg atttcancaa acgtggtcaa gctatgcggt 240

ctgttttcga acttcttgan cggaaaaccg agattgaacc tgatgatcct gataccaccc 300

cggtcccaga ccggttacgt ggtgaagtcg agctcaaaca tatcgatttc tcttaacctt 360

caaggccaga catccanatt ttccgtgacc ntagccttcg tgcctagaac tgggaaaaac 420

cctaagctc 429

<210> 7518
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F7

<400> 7518

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gtatctcatt cttctcttca tcgtcgtcgt cggcgtcaac gctcagaatc ggagacctaa 120

gaatgttcag gtggctgtta aggctaagtg gcagggtact cctcttctcc ttgaggctgg 180

tgagttgatt tccaaagaat cgaagcagtt gttctgggag tttactgatg cttggcttgg 240

ttccgatgga gatgattccg attgtaaatc agctagagat tgtcttctta agatatctaa 300

acaggcttcg actctgttag ctcaaccaag tggcttctct cttccatttc tcacttactc 360

tgagatctgc ttcgcctang cttgtgcttt accgtcaatt ggctgatgag tctctatcct 420

ccttccctca tggtgatgat tccctcctgc gactgggctg ctgttggggt tga 473

<210> 7519
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F8

<400> 7519

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagatgctg gttccatcgg 120

agtaaactac ggccgaatct ccgacgaact cccctccgca ttcaaagtag tccaantact 180

aaaatcccaa ggaatcacgc gagtcaaaat cttcgacgca gacccatcag ttctcaaagc 240

attatccgga tctggaatca aagtcaccgt agatctcccc aacgagttac tcttctccgc 300

cgccaaaaga acttccttcg ccgtctcatg ggtcaaacnc aacgtagcag cttancatcc 360

ttcaacacag atcgaatcan tanctgttgg taacgaaggt cttcgttgan acacacaaca 420

ctacaagcnt cttgatccct gcaantgaga aacat 455

<210> 7520
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F9

<400> 7520

gggttggctc attcgattan tatagganga aaccatggag ctaaggaaat ctcaagtggc 60

catgcctgtt ttcttggcaa taatgagtct aatggtgagt caagtggtct tcgccnagaa 120

agattcaggt tcaatgtccc ctcatgatcg ggcattagca naantgcaag cccttaaagc 180

ttcattggtt cggcgaaatc taccggcntt ggtanctcct cctcctancc ctcctcaggc 240

cgtacccggt ccgcgcgtgt accaagtgat atcatatggt gccgatccca cagggaaatt 300

ggataacacg gantcannat tanaagcnat ggaagaanca tntgatggtc caaatcatgg 360

agttttgang caaggtataa angatctcgg gaggancaag aantggttct tcaagtggga 420

a 421

<210> 7521
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G1

<400> 7521

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aatcaatttt tttttgtgtt gagcaagacg aaaagagtct aatccaatca tgggatgtgt 120

acccagaatt gaatttggtt gttcaagcca aagccttact ctttcatgga acttaagagc 180

atggaatttg tgtagattga acacaatctc ccatttccag aaacttcctt atcctttggt 240

agcttctact cgaaaacatt acaagaacag tttgcttttg aagagatttt taagttggtg 300

ttggcactga ggaatcatca ctgtcagaaa gatttactaa gatgaatctc tttctcgaac 360

tctcactaag tgatgaagtt gaagtcactg ctcattgata caagaagaga tnaaagcntg 420

ttaaaaaaat tgagtgaagc taatca 446

<210> 7522
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-G11

<400> 7522

cttatctctt cttgttttag ctatgaagaa gcaatctcaa ttcagatcca atcataccct 60

tctcttcttt catctctgat cattaacaac aacaacaacg actcgggttc tgtaaattca 120

gttattggag agaaaatggc gatgttagtt gagccaccaa atgggattaa gcaacaaggg 180

aaacattact actccatgtg gcaaacattg ttcgaaatcg atacaaagta tgttccgatt 240

aaacccattg gaagaggagc ttatggtgtg gtttgttctt ctatcaatcg tgaagactaa 300

tgagagagtt gctattaaaa agattcacaa tgtgtttgag aatcgtgttg atgctt 356

<210> 7523
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G12

<400> 7523

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tcttgccaac atccgttcca aggtttatct ttctcctaag ctttggtacc tcagggttaa 120

tgtaattgaa gctcaagatt tgataccaac tgataagcaa agatatcccg aggtttatgt 180

gaaggctata gtgggaaacc aggcgttgag gactagagta tcgcagagca ggactattaa 240

tcccatgtgg aatgaggatt tgatgtttgt cgcagcagag ccatttgagg aacctttgat 300

cctcagcgtg gaagatagag ttgctccaaa caaagatgaa gtcctgggga aatgtgcgat 360

ncccgttgca gtatttggac aaaaaatttg accanaaacc ggtgaaacag caggtggtac 420

aatctccaga agcatattat ggtccnatgg gagag 455

<210> 7524
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G2

<400> 7524

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gcaacaaaga agaccacaca aaaacgttat tgagcagccg tgaaatcgat ttaccaattg 120

aagcttcccc ccatgatttg actttccctg atgctcgttt gtgggaaagg gtttctaaag 180

tgcagagcac ctggagttcc attcttttgt gacaaaagaa aatccttctt cactaaaact 240

aagaggggct ttcacagttt acctttgggc actggggtcc gtgtttattt caacaacaat 300

cttaggtact caagcaattc aatagaagtt gtggagaaag ctgccattaa tatgggttca 360

aaggaagaca aggnaagata atccagcttt atcctcataa tgatgatgcc atgggaaagc 420

tccgtcgact cctaattcct cgtcgaaaac cgtgggggat ccacaaccta ctaaaaggaa 480

atccgtgaca 490

<210> 7525
<211> 475
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-G3

<400> 7525

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ctttaaattc agagttgcaa ctggtagatt cagcaatgga atggttgctt ccgattattt 120

agccaaatac atgggagtaa aagaaattgt accggcatat ttagacccga aaatacaacc 180

aaacgatctt cttacgggag tatcttttgc atcgggtggt gctggctaca atcctactac 240

atccgaagca gcgaatgcaa tcccaatgct ggaccaactg acatatttcc aagactatat 300

agagaaagta aataggttag taagacaaga gaagagccaa tataagttgg caggtttaga 360

gaagaccaat cagctaatat ccaaaggagt ggcaattgtc gtcgggggga agcaatgatc 420

tgatcattac atattttggg agtggtgctc aacgactcaa aaatgacatc gaccc 475

<210> 7526
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G5

<400> 7526

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tactacantg atttaggcgt cccaccaaag aacccacggc ctgtacttgg agggacacag 120

gagtatcctt acccangaag aggaagaacc gggcggaaac caactanaga agatcctcaa 180

accgagagca ggctaccgat cacatcgagc ctaagacata tatgttccac gagatgagag 240

atttggacac ttgaagatgt cngatttcct tgcttatgct ctaaaagcga ttgctcagtt 300

catccaacct gcacttgaag ctgtattcga cgatactcct aaagagtttg attcttttga 360

agatgttctt aanatctang aaganggaat cgatctacca nnccaagctt tgaattgata 420

gtatcnttaa gaatataccg ncttgagaag ttaaaaggag atattcag 468

<210> 7527
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G6

<400> 7527

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tcttctccaa tctctctaca aaccctaatc tcagccatgg atctcgctgc agaagagctt 120

caatttctca acattcaagg catattacgt gaatccacaa caatccccaa attttcccca 180

aaaaccttct acctcataac cctaacccta attttccctc tctccttcgc aatcctcgct 240

cattccctct ttacccaacc aatcttagct cagctagatg caactcctcc ttcagatcaa 300

tctaaaacca atcacgaatg gacccttctt ctcatttatc aattcatcta cggtcatctt 360

cctcttcggc cttctctctt ctctcaacag ccgccgtcgt cttcaacgtc gcttcgcttt 420

acacgggaaa gncaagtttc cnttctcttc aacaaatgtc angcgaatcc tctggntttg 480

aag 483

<210> 7528
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-G7

<400> 7528

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tggtggacac gttggtggtg actaccatgg acctcttgac ggaaccaatc ttcccggtga 120

cgcttgtttg gttttaacga ctgaccctaa acctcgtctc cggtggacaa ctgagcttca 180

tgagagattc gttgacgccg ttactcagct cggtggtcct gacaaagcga ctcccaaaac 240

tattatgaga acaatgggag tgaagggtct cactctctac cacctcaaat cacatcttca 300

gaaattccgc ctaagggagg caagctggca aagaatcaac tgagaactct aaagatgctt 360

cttgtgtagg ggagagtcag gacacangtt catcttcgac atcatcaatg agaatggcgc 420

agcaggagca gaacgaaggt taccaagtca ccgaagctct acgtgctca 469

<210> 7529
<211> 479

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-H1

<400> 7529

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cgatgaccag aaactacgtg cgttttacga caagagaatc tctcaagaag tcagtggaga 120

tgctttgggc gaggagttca aaggatacgt tttcaagatc aagggtggtt gcgataagca 180

aggtttccca atgaagcagg gagttttgac tccaggccgt gttcgccttt tgcttcaccg 240

aggaactcct tgcttcagag gacatggaag gagaactggt gagaggagaa gaaagtctgt 300

tcgtggttgc attgtgagcc ctgatctctc tgttctgaac cttgtcattg tgaagaaggg 360

tgagaacgat cttcctgggc ttaccgatac tgagaagcca agaatgagaa ggaccaaaag 420

agagcctcca agatccgtaa nactgtttaa cctcaaagaa ggaagatgat gtcaggacc 479

<210> 7530
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-H12

<400> 7530

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ctagatgtta tagcaaccag cacagctgat ttgggtcctc ttagccttga ttcttttaag 180

aaaaacaatt tgtctgcatc atggcgggga accggagtag acccctcctt tagacattct 240

gagaatccag caactcctga tgtcaaatct aataacctga atgaaaaacg tgacagcatt 300

tcaaaagata gtatccatca gaaagttgag acacctacaa agattcacag aaggcaacta 360

agagagaaaa ggcgtgagat gcgggcaaat gagttagttc agcacaatga tgacacgatt 420

ttgaaactcg aaaatgctgc cattgaacgc tccaaagtct gttgattctg caagtccc 478

<210> 7531
<211> 476
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F6

<400> 7531

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aaatctgcaa cttctggtgt ttcagctaga tgggtttttg ttctctgtat ttctagcttc 120

cttcttggtg ttcttgtcgt taacaggctt ttggcaagtt ttgaaaccgt agatggcatt 180

gagagagctt cacctgagca aaatgatcaa tctagatcac ttaatcctct tgttgattgt 240

gagagcaagg aaggagacat tctatctcga gtttcgcata ctcatgatgt tatcaagaca 300

ttagacaaga caatttcttc tcttgaggta gaactagcta cagctcgagc agcaagatct 360

gatggtagag atggatctcc agctgttgca aaaacagtag cagaccantc gaagattcgg 420

cctcggatgt tctttgtgat gggaatcatg actgcnttca gtagcagaan aacgaa 476

<210> 7532
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-C6

<400> 7532

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cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccaaatatgg 180

gaacctgctt ctccagctca actaaatcca cggctgagat ctctcccttt gacctcgtcg 240

tcaaacctcc tcctccttcc gccgccgcca ccgcaccacc aacccaacga atccccaccg 300

cgaaaacaga aacatcgacg gtgagcttca ccgcaacagt gagattatac ggaccaccta 360

acagtctaag tgacgtcgta tctccgtttc gctcttctcc acangaaagt tccgctccgt 420

ttcgttccat cggaagacca naaancgacg attcaaagtc ggatnggaga ctg 473

<210> 7533
<211> 499
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-D1

<400> 7533

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aggggtgaat atgtgaatga gcgtttgaat ctagagaagg ctagaagaga agcgtatgca 180

gctggtctct tggggaagaa tgcatgtggt tctggttatg attttgaagt ttatatccac 240

tttggtgctg gtgcgtacat ttttggtgaa gagactgcgc ttcttgaaag ccttgaaggg 300

aagcaaggaa aacctaggtt gaaacctccg ttccctgcta atgctggttt atatggttgt 360

cccacaactg ttaccaatgt ggaaacagtg gctgtttcgc ctancaantt taagggcgtg 420

gacctgagtg gttttctaat ttcggtaggg aaaaataaac nctggggaca aaactccntt 480

tgtataacaa ggccatgnt 499

<210> 7534
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-D10

<400> 7534

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agacctcaca cgcgcatgaa agacctatca ccaattggct ttgggcagcc ggttgtcacc 180

cgtttggacc attctcaaac gtctccctga tcagtcaaat gcttcaagat gttgcactga 240

ggaatactat ttatgctcgg gttgattctg ctctacgcaa aatccgtgaa acatcanagg 300

caagtacaaa actttgcatc cgaatacctt aagactccac ttggcgaagc cagtgaaaga 360

taaaaagaac anaaccaaaa cggagctatg ggtcgagaag ttctacaa 408

<210> 7535
<211> 421
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-D11

<400> 7535

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gctgacctct gtaacagctt caatggtgta tcttgtaacc aagaaggatt cgtcnaaaag 120

atcgttcttt ggaacactag tctcgccgga accctaacgc cggcattgtc tggtttaact 180

tctttaaggg ttttgactct gtttggcaac aggattacag gtaatttacc tttggattac 240

ttaaagttac agactttatg gaagatcaat gttagttcca atgcattgtc tggtttggtt 300

cctgaattta tcggtgattt gcctaattta aggttcttgg atttgtcgaa aaatgcgttc 360

tttggagaga ttccaaattc tctgtttaaa ttctgttaca agacaaagtt tgtttcattg 420

t 421

<210> 7536
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-D8

<400> 7536

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gttacacaca tctgagtgct ggagatcttc ttagagctga gattaaatca ggttctgaaa 240

atggaactat gatccagaat atgattaaag aggggaagat tgtaccttct gaggttacta 300

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tccctcgtaa tgaggaaaac cgagcagcat ttgaaaaagt tactgagatt gaaccaaagt 420

ttgtcttatt cttcgattgt cctgaggaag agatggagaa gcccctgttg gg 472

<210> 7537
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-D9

<400> 7537

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nnnnnnnnnn nnnnnnnnnn ngaaaatcta naagaagaga aagctacaaa aatctcaaca 120

tcgagtcttg ttgggatgtg aaacacatga ttttcgagga gtagagagag acagagagaa 180

attaagggaa agagctcact tgtgtgactt gttctgtaag agttttggct acagagcaac 240

catgctaact tgcgccttct cccaaaatct tatccactaa tctcggtaag gaaagtgatg 300

ttggcaaaat ggtgaagaaa ggaaattggt tttctgctat caanannggt ttttactcca 360

cattccaaag agaagctagc caatcaggaa ncagagagaa agagtggcaa nagaa 415

<210> 7538
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-E10

<400> 7538

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acttttgagt catatcttag tggaagatta ttcagatatc caaaagaaac ttgctgatag 180

caattctaca actaacggaa acaaggatgc agaaaactta gtggacaagc ttgaagacaa 240

tagtaaggca ggtggtgacg aatctgagat agattcatca caggatgaaa aagcaagaaa 300

tgtggtggcg ttttacaagc tgaagatgat aagaattcag cttatcacag cacaagggga 360

tcagactgaa gttgaggtgg aagatgtcag aaaagcacaa cctgatgcta ttgctcatgc 420

atc 423

<210> 7539
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-E5

<400> 7539

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncgcca 120

tttccanctc tggtaaantc aaaancctaa ctctctcttc ctcagatnca tcactcttga 180

ggtctctctc cntaagtcga ctcaacgccg gagctcctga gttcgttcct ggtcgaacta 240

ctcctccgcn gcctcnacct ccgaggatga ttatcgcgcn acctccgggc gcacngtatg 300

cttcatatgt atcaccagnc aacctccgtt caatantcca gttcttggtc ctgttccaat 360

ccatggcana gttggttcct ggttcaaaaa tcancancgc tcatnagcgc tttcatcagg 420

aatcantcat 430

<210> 7540
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-E8

<400> 7540

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tattgcaaag atgtcttctg attcgtcccg ggaagagaat gtgtacttgg ccaagttagc 120

cgagcaagct gagcgttacg aggaaatggt tgagttcatg gagaaagttg caaagaccgt 180

ggagaccgag gaacttactg ttgaagagag gaatctcttg tctgttgctt acaagaacgt 240

gattggtgct aggagagctt cttggaggat tatctcttcc attgagcaga aggaagatag 300

caggggcaac agtgatcatg tttcgattat caaggattac agaggcaaga ttgaaactga 360

gctcaagcaa gatttgtgat ggcattttga accttcttga ggctcatctc attcntgctg 420

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<210> 7541
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-E9

<400> 7541

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aaaccctaaa cccttgaagc gtctccttct ctagttcttt gcaagcggaa atgtatcgag 120

tgctatcaaa gttatcttct tcaattggct cgtctacttc caggaaactg gtttctgggc 180

ggattataag tagcagaaac tatgcggcca aggatatcag tttcgggatc ggagctcggg 240

cagctatgtt gcagggtgta tccgaggttg cagaagctgt gaaagtcact atgggaccaa 300

agggaagaaa tgtgataatt gaagagcagt tatggcggac caaagatcac anaggatggt 360

gtcaccgtgg caaaaagcat atcatttcaa agctaaagct aagaacattg gtgccgaact 420

cgtcaaacag gttgcaagtg ccactaacaa ngttgctgg 459

<210> 7542
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F11

<400> 7542

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acgagaagac gcagcagagg tttctctttc agtgagaaac gaggaagatc tttctcctga 120

atgtgtagct tgggctgatt cttgcatcat cagttttcta gatgattcag acaacaataa 180

ttggggaact tttagagatg ctttaacaga aatcatcgat atccatcccg agatgtttgt 240

tttttcatca acaacgggaa caagangtgt cctgtctcca gacgaggtta tgactgaatc 300

cgagactatt gatctacgga gatctgaacc agcagctggt tcagcgaaca gtagaactaa 360

ttcatcgaaa tgaagaagtt agcgaagaat taaccccaan ggcaaacttt tgaatcagac 420

ccgtcaaaga attgcttag 439

<210> 7543
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-F12

<400> 7543

acgcgtccgg gaagcgagtg gacattgtcc ggcttcctgt tgtgggcgga gacgtttcgg 60

tacatgactc tgagggacac gaagttgagt ctcaacttgt tccatttact gatgaatatg 120

tggccttaag gaaatatcat gtagaggcat acttaggtca aagccctaca caggtgccaa 180

agtattggct tgtgttttca gtaactgtgc ctcctcttgg cttcactact tacactatct 240

ccactgctaa gaaaacagat ggatattcta gcaaatcata cgtctccaat atcctaaaag 300

gcgaacagtc aataattaac attggtcatg ggcatctgaa gcttaatttt tccactgatc 360

aagggacagc aatcaattat gttaacggca gaacctcgat gacagaacca gtcaaacaga 420

catttaacta cta 433

<210> 7544
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-F2

<400> 7544

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cgatcaacag aaacgccgag agctttctct tattcgtcag actcagcatc gcagtgatgc 120

tcagcagcga gcccgaaacc tcgcctcttc cttaatctcg ctccaatcct cctctcccga 180

tgtcgaccca gagatactat ctgaagccgt gcctgagctt gtaggaaccg aatcggaatc 240

gagtagcttt gacgttcgtc aagcttcgag gctcagagga cctgaggcac gcaagtggtt 300

cgcaaagcag ctaatgttac ctgaatggat gatcgacgtc cctgataatt taagccaaga 360

ttggtatgtg ttagcaagac cagctgggaa aagatgtttt gtagtttcat ctgatggaac 420

aactgttagt agagtacgaa atgggtccac tttgcatcct ttcccttccg cattaactgg 480

<210> 7545
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-F3

<400> 7545

acgcgtccgc ttcaattcaa agacaacatc aacgatgatc cgtacaacag tttagcttct 60

tgggtctcta atgctgacct ctgtaacagc ttcaatggtg tatcttgtaa ccaagaagga 120

ttcgtcgaaa agatcgttct ttggaacact agtctcgccg gaaccctaac gccggcattg 180

tctggtttaa cttctttaag ggttttgact ctgtttggca acaggattac aggtaattta 240

cctttggatt acttaaagtt acagacttta tggaagatca atgttagttc caatgcattg 300

tctggtttgg ttcctgaatt tatcggtgat ttgcctaatt taaggttctt gggatttgtc 360

gaaaaatgcg ttctttggag agattccaaa ttctctgttt aaattctgtt acaagacaaa 420

gtttgtttca ttgtctcata acaatctctc aaggatnaat ccctgaatca atcg 474

<210> 7546
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-C4

<400> 7546

gcaactgtta tctgcatttt ggatacaatc agcacttcct gatatcttac cttcaaacat 60

tgaagctatt gctcattctt ttagcttggt gcttctgtcc ttgcgactaa agaatcctga 120

tgacgggctt gttgttcgag ccttccagct tctcttctca ttgaggactc tttcgttgga 180

ccttaataac ggcacattac cctcagtttg caagcggttg atccttgctt tatccacaag 240

tatgctgatg ttcgctgcca aaatatatca gattcctcat atttgtgaaa tgttgaaggc 300

ccaacttcct gggtgatgtg gatccttatc ttttcattgg agatgactta caacttcacg 360

taagaccaca ggcaaatatg aaaagatttt gggtcctcaa gcgatagcca aatggctacn 420

tcaaatgctg tttgagatgc gaa 443

<210> 7547
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-A8

<400> 7547

ctggtancct ggacgtaccg gtccggaatt cccgggtcga cccacgcgtc cgcccacgcg 60

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agacttgaag cagcttaatg acatttaccg atataagaca gaggaatact ctcacactgc 180

tgtcaacaag ttcaacgtaa tccctgattc tcttccagaa tgggttttcg actttatgcc 240

gcctcacgga gggttcttta ttggcaacgt tagccctgca agaatggatt tccgttggtt 300

tgctttgggt aattgtatag caatattgtc ttccttggct acacctgaac agtcgacagc 360

aattatggat ctgatagaat ctcgctggga agagttggtt ggagaaatgc cactgaaagt 420

ttgctatccc cgccatagaa agccatgaat ggagaatagt aactggttgt gancccaaaa 480

acactcggtg ggagctacca caatggaggg atcgtg 516

<210> 7548
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B1

<400> 7548

aatagtaaat tgcaaaagaa agaaaatcga aaaggttgtt tgtaaaataa ttacaaaaca 60

taattagtgg tgagaataaa tctaaatata aggtacaagg gggtgaaggg gtgtgtgtct 120

atatatgttg gatgattagt ttctgccatg tgctatggaa tcaacctctt atgctttatg 180

ttctgtttag ctcctacctt atactataac tttaattatt catcaataat tctaattctc 240

cttcgttttt taatatacta gtgtttcata taaatactcg ctctctctac tcattccctc 300

cataacatat atttcttctt cgtttcattc ataatccgtc ttataaccac aagattctaa 360

aacatgggag aagaagtana accagaggca aangaggcaa cctctgctcc acaagccgtc 420

cccgctgaag aaggaggaga aagaagaaag atgtngcgga ggagaanaaa gtggcggc 478

<210> 7549
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-B11

<400> 7549

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caagatgcta tcatcaaccc catcgtcgat ggcgacaagc atcgccactg gtagaagaag 120

ctacagtctg attccgatgg ttattgagca ctcatcgcga ggagagagag cttacgacat 180

cttctctcgt ttgctcaagg agcgtattat ctgcatcaac ggtcccatta atgacgacac 240

atctcacgtc gtcgtcgctc agcttcttta cctcgagtct gagaatcctt cgaagccgat 300

ccatatgtat ctcaattccc ctggcggcca tgtcaccgcc ggtcttgcaa tttatgatac 360

tatgcagtac attcgttctc ctattagcac aatttgtttg ggtcaagctg catcaatggg 420

cttctcttct gttggcagc 439

<210> 7550
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-B12

<400> 7550

aaatgcggat gatgaggatg agactactga agaaactact gaatcgctag acagccaatc 60

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tcttcgtgaa acttcccccc tatataagat tactgaagtt gcaagcaccg ttgtaagatc 180

tgatgaagaa gctaggaatg gagacattcg tgagagcaga gaatatggaa aagctttatt 240

tttgtcagca aaagattttg tgagtgggaa tgatactgaa gagtgaggag agagtggtgt 300

aaagacggag ggaagaagga agcgaaagca gtgttccaag atggatgtct ctgtttctga 360

caaaagcttt gcatattctg agccaaagac taagc 395

<210> 7551
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B2

<400> 7551

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aaccgaccat agagattcgt gggttcttct tagtttcgac agattcttga tccgttttag 120

ttgttacgct catctttgct tttatacatc agacccttct cttctcttcc ttctttatct 180

aagaaacatt agggttcttt gaaatcttgc taaaaaaaat gggtgttgag aaaatggtgt 240

gtttagcttc tcgtacgggt cgtcagtttc agagatacaa caaaggtcgt cgtcaagtcg 300

ttggatgtgt tccttacaga ttcaagctat ctaatgatgg taaaataagt gatgaagtag 360

aagttcttgt tatctcttcc caaaaagggc acgccttaat gttccccaag ggtggttggg 420

aacttgatga atctgtagaa gaaactgcat caagagaatg tcntgaagaa actg 474

<210> 7552
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B3

<400> 7552

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tgaagctatt gctcattctt ttagcttggt gcttctgtcc ttgcgactaa agaatcctga 120

tgacgggctt gttgttcgag ccttccagct tctcttctca ttgaggactc tttcgttgga 180

ccttaataac ggcacattac cctcagtttg caagcggntt gatccttgct ttancacang 240

tatgctggat ggttcgctgg caaaaatata tcagaattcc tcatatttgt gaaatgttga 300

aggcccaact tcctgggtgg atgtggttcc ttaacctttn cattgggaag gacttanaac 360

ttcacgntaa ggaccacaag ggaantttga aaggatttng gggccccaag caattagcca 420

gang 424

<210> 7553
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B4

<400> 7553

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ggcggcgata ttcgcgattc tactcattct cgccgttcat aactggtccg tcgccgtatc 120

ttctcaatcc accgaattcg ccggagattt ccctccattc gaaacagagt gccgcggtac 180

aattgccgag tgctctgttt ccgccgccct cggagacgga ggagatctat tctacggcgg 240

aggagaaatg ggagaggagt tcgagatgga ctcagagatc aaccggcgca tattagctac 300

gaggaggtac atcagctatg gtgcgctgag gagaaacaca attccgtgct cacgtcgcgg 360

ngcatcttac tacaattgtc gacgtggcgc tcaggccaat ccttactctc gtggctgcag 420

cgccatcact cgctgccggc gctcatgaat ctatcactgt cagtctcact gnaatt 476

<210> 7554
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B5

<400> 7554

tcatcacttc tcagatttcg atattcccaa taaataataa atactctcag ttcttctctt 60

ctccaagaac aaaaaaaaaa aaatgaattc agaatcgcta gaaaatcttc accgtccatt 120

aatcgaatca tcgaagtcgt tcgtcgatta tcgtctcgag actgtgttaa cagatcgaga 180

gttaccgtat tttcgccgga tttatctagc gatgatgatt gagatgaagt ttctctttca 240

tctggcggct ccggcgatct ttgtttacgt catcaacaac ggcatgtcaa ttcntacacg 300

tatcttcgct ggacacgtag gaagcttcga actcgcccgc cgcttcactt gggaaacagt 360

ggtttcaaca tgttcaccta agggacttct gcttggaatg ggaagttgca gtgggaaaca 420

ttaaggtggg tcaagcac 438

<210> 7555
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-B7

<400> 7555

acgcgtccgc agagaactca tcaaagacat caactcttcc caagtctcct gagaaactaa 60

aagctatgaa tttcccaatc tccacgatca agattggcga ctgtgtcttc gttgccaaaa 120

accctgatga cattgtggcc aaattctatt ttgcaaagaa gaaactttta tgggagtttc 180

tcttcggaga accagtggct aacatgccga ggctgaagag taagatcgag attcaatgga 240

atgatgtctc atcttttgaa gagagtatta attcacgtga tgaaactgga atcctcaaaa 300

tcgagttgaa aaaacgtcca acattcttca caagagacta atccacaggc aggaaaacac 360

actcaatgga aacaattgga ttacgatttc accggagatc aggcttctta ttacaggaga 420

catacacttc attttcctcc cgggagttct gcaaaagaac tgggagaaac ct 472

<210> 7556
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-B8

<400> 7556

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ttttgtatta acctatagtc taactgaaat ggcataaaat taggtgtctt gacaaagccg 120

cggtggttat agaaggtgac ctaacacccg agggacctcc cgcagacaag tggcggttat 180

gcagcgtcca agaagtggaa gaagtgaagt gtttgatccg aattgttcct atctggtcgg 240

ccggaataat ctcactcgcg gccatgacaa cacaaggcac tttcacggtc tctcaagctt 300

tgaaaatgga tcgaaactta ggtcctaaat tcgagattcc ggctggttca ctctccgtca 360

tctctctcct cacaatcggc atctttcttc ccttctacga ncgcgttttt gtaccattca 420

tgcggcgaat caccggccat aaatccggaa tcacactcct ccaaaggata ng 472

<210> 7557
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-C10

<400> 7557

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tggagacagc tatctccatg gtggaagctc tagctgtgaa gttaactcag aatgaaggtg 120

aattgattca ggagaagttt gaagtgaaga aactaggaaa cttcctcaag cagacttcag 180

aagatgcaaa gaaactggta aatcaagaaa agtcattctc ttgtgctgag atcgaaactg 240

caagggccgt tgtgctgaga cttggagagg cttttgaaga acaagaacgg atttctgaag 300

cttctagagc tcaggggccg gatgtggaga aattggttga ggaagttcaa gaggctaggc 360

aaatcaaacg gatgcatcac ccaacaaagg tactacatca attcattgca ctttaacttc 420

ataatttgat gtgcca 436

<210> 7558
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-C11

<400> 7558

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catggaaaag gtgtcttctc tactgtggtt cgtgctaaag acttgaaagc tggaccagct 180

gaacctgaag aggtggcaat aaaaattatc cgtaacaatg agacgatgca taaagctgga 240

aagattgagg ttcaaatatt gaagaagctg gcangcgctg accgagaaga cangcgccac 300

tgtgttcgat ttctttcaag ctttaagtac cgtaatcacc tttgcttggt gtttgaagtc 360

gctccatttg aatcttcgtg aggtcttgaa gaagtttggt cgcaacattg gtctccaact 420

ctctgctgtt agggctt 437

<210> 7559
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-C12

<400> 7559

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ttgtggccaa attctatttt gcaaagaaga aacttttatg ggagtttctc ttcggagaac 180

cagtggctaa catgccgagg ctgaagagta agatcgagat tcaatggaat gatgtctcat 240

cttttgaaga gagtagtaat tcacgtgatg aaactggaat cctcaaaatc gagttgaaaa 300

aacgtccaac attcttcaca gagactaatc cacnggcagg aaaacacant caatggannc 360

aattggatta cganttcacc ggaagatcag gcttctta 398

<210> 7560
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-C3

<400> 7560

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nnnnnnnnna aaaaaaaaaa aaaagggcgg ccgctctaga ggatccaagc ttacgtacgc 120

gtgcatgcga cgtcatagct cttctatagt gtcacctaaa ttcaattcac tggccgtcgt 180

tttacaacgt cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc ttgcaagcan 240

atcccccttt cggcaagctg gcgtaatatc gaanaggncc gcaccgatcg cccttcncaa 300

aagttgcgca gcctgaatgg gcgaaatggg aacgcgccct gtaacnngcg caataaagcg 360

cgggcggggt ggtggtggnt acgcgcaagc nnggcccgct aanacnttgc cagcgccccn 420

aggcgc 426

<210> 7561
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-A5

<400> 7561

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tcttgaagag atatatgtta ttgattccaa gacaaagtca atcaccaaga gccagagttc 120

tggtgacagt tccgggagga agaaaaaggg ataggaagga tgacttgctt gtgatacgag 180

ataatggaac ctcctttaag atcatacacg tggtgaaaga gatgacccaa caacggtaat 240

agaaagagaa gagtggacca agactagaga agacatggag aaacatctca ggaagctacg 300

agacttcagt gtctcaaatt ggttctaaga agaactcgag agacaccaaa cgacaagtca 360

gcataacttt cttcctgaga tggaaaacga gagcagatga tctaaatcga tgatatggtg 420

gagggtatac aattttggtg acctcaggta ctgcactagc aacagagatg g 471

<210> 7562
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-G3

<400> 7562

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gttccnattn ncccgnnang ggnaacaaca angaatggcg gcggttnccc caaaacctnn 120

aaaccctcct cctttcccgg ctaaaaattt gtgcattgct cctgaaaggg atcaggttta 180

ctaagggtgc tttttactac aaaagcaaca atgtagtgac aggtaaaaga gtgttttcca 240

taaaagcaca aatcacaaca gaaacagata ctcctactcc tgcaaagaaa gtagagaaag 300

tgtcaaagaa gaacgaggaa ggtgtgattg ttaacaggta cagaccaaaa gagccttaca 360

ctggaaaatg ccttctcaac accaaaatca cagctgatga tgctcctgga gaaaactggc 420

acatggtttt caaccatcaa ggagaaatcc cgtacagaga aggacaatct gttggtgtga 480

ttg 483

<210> 7563
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-H1

<400> 7563

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gagagctgaa aaatggaggt tggattcaag gcattgctcg atgatcttga cgttctcgag 120

aaatctctct cagatccggc tctgatcaac aaggtctgcg atcacatgtt gagaatctag 180

ccactctgtc taaatgtaat cctcaccggc gttccaaagt caaggaacta agctcggaag 240

tggtagatag taatccttac agtaggctta tggcacttca gcggatgggc attgtggaca 300

actatgagag aattacagag ttttccgtcg ccattgttgg aattggtggt gttggaagtg 360

ttgcggctga gatgcttacc agatgtggta ttggtcgtct tttgttgtnt gactatgaca 420

ctgtcgaact agctaacatg aacagactgt tttttagacc ggaccaggtt ggtatgacaa 480

ngactgatg 489

<210> 7564
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-H10

<400> 7564

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gtaagagaga gctatggcgg aggagcactt cgacgttctg actaaatccg gtgagaagac 180

cggtgtgtcc aaacccaggg gagaggttca cagagatgga gattaccatc gtgctgttca 240

tgtctggatt tttgtggaga ctactcaaca gctacttctc cgacttcgat ctgatgataa 300

agattcttgg cctggtcaat gggacatctc tagtgctggc catatatcag ctgggtgata 360

catcgcttct atcctgcaca gcgggaagct tgaggaagag cntgggcgta aaaactccca 420

aagggatgca tttgaaaaga 440

<210> 7565
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-H4

<400> 7565

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agaaactggg agacttctcg tgcataccga agctgaagaa aaacttgggt tgaacagttt 120

ggagtttgga ttggagacag aagattatct cactggaatt tgtttcatgt caaacgattt 180

gcctaggtac gtggttaatc gagtgacagc aggagactat gactgcccaa gaaaggtgat 240

gaatttcctg acagatcttc atgcagcctt tcgcatgctc aatctcagga acgatttcct 300

gcgcaagaaa ttcgacagta tgaagtacga cctaagaaga gtggnagaag tttactatga 360

tgtcaagatc cgaggtttga tttccggcgg agattctcct gggcgtccaa agcatccaag 420

ggcaatccta aatgtcctcg gctcttttta agtttttaat gtataacttt ggtttagcta 480

gcatgaaaac gtcaagg 497

<210> 7566
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-H6

<400> 7566

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agagaacttg tgcggccaga ccaaaatctc cagaatgtca aaggcccaga gacagatgtt 120

gccatttta gaaacgctcg gatatgtgac aaaaagctta gtgataacaa ggttagctac 180

ggagttttct ttggaaatca aaagcatctg ccatcacgcg tcatgaagaa tataatggag 240

gtcgagaaaa cccaagatag aaatgaaaag tattggttac aagaagccca tgttccccta 300

tacttgatca aagaatttga agagagcttg catagagtac aaatgccttc ttcaaccaag 360

aagccatcca agaaattatc aaagcttcag agaaagcagc tgaaagcttc cctcatggac 420

atattttcat atatagcctc aaggagggac aagatggaga aat 463

<210> 7567
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-H7

<400> 7567

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tccgcataac tcttggacta gagaatatgt gcaaataaga ttggtctgaa atagtagtca 120

tgtggattca caatgaaaga atgggattgg aaaacatgaa atcaaagatt acaaaaaaaa 180

aaaaaaagg 189

<210> 7568
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-H8

<400> 7568

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ggcgcgtttt acccgttttc aaaanatcac gccaattact actcaccaag acaagagctt 120

taccaatggg acacagttgc agactcagct cgtaacgctc ttggtatgag atacaagatc 180

cttcctttcc tctacactct taactacgaa gcgcatatga ctggtgcacc catcgctaga 240

ccgctcttct tctcattccc tgaatacacc gaatgttacg gcaacagcag acagttcntg 300

cttggaagca gcttcatgat atctccgggt tctcggagca gngcaaaacc gaannntagag 360

gcaattgttc gcaanaaggt tccttggnac gcaaggtgtt cggcattgac tnaagcanta 420

gtgtccanag aancgggaaa cgtgtaactc tcccanctcc ttttgaactt tgtg 474

<210> 7569
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-H9

<400> 7569

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tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngctattcat aaacccttga 180

agaaacaaga ctctctcctc tctatctctg tccctttctt acaaaagttg atggcggagg 240

ttttgggaac atacttcttg atattcgccg gttgtgccgc ggtggctgta aacacacaac 300

atgacaaaan ccgtgactct tccagggatc gccatcgttt ggggacttac cgtcatggtc 360

cttgtttact ctctcggtca catctccggt gctcatttca atccggccgt cacaatcgca 420

ttcgcttcnt gcggccgttt c 441

<210> 7570
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-A4

<400> 7570

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gagacgttct ttgtcaccga ttgacatatt caaaaacgac gaagctaggt aaaggaacgg 120

agagaagagt cnataataca agcgtagaga tgggaaatca gaagctcaaa tggacggcgg 180

aggaagagga ggcgttactc gccggagtta ggaagcatgg ccctggaaag tggaagaata 240

ttctccgcga tcctgaatta tctgagcagc tctctagtcg ctctaacatc gacctcaagg 300

ataaatggcg taatttaagt gttgctcctg gtattcaagg ctctaaggat aagatacgga 360

caccaaanat caaagctgct gcttttcatc tggctgccgc tgctgcctgc ccgctattgt 420

taactcccaa ct 432

<210> 7571
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-A6

<400> 7571

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tctgaagttg gacaaaagaa tccgccattt tctcctcggt ctctctgctc ttctcttcag 120

tatcggatct gggtctcctt cgctttcgtt tcaagattat tttgggagac gaggaggcgt 180

tagctgtaat tcattgtata cttgctttgg ctattaaagc cgtcacacaa aaaaagtaaa 240

agcaacacac acacataaat agacacactt ttttacgtat atgtgtgtct tctttcgtct 300

ctgttgggaa tagatcttgt cctaagagat cacttcgaag tctgatctaa aagtgagaaa 360

ctttgggttc ttgttttggg tttttggnat cntgtctaat ctggggaaat aatgggaaat 420

gagtcc 426

<210> 7572
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-B1

<400> 7572

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ggaaagtgcg aaaatgccgg tcatggagaa attgaggatg ttcgtggcgc aggaaccagt 120

tgtggctgct tcttgcttaa tcggcggtgt tggactattt ttgcctgcgg ttgtgaggcc 180

tattctagac tctctcgagg cttccaaaca agttaaagct cctccactta ccgatgtgat 240

tgctggtgtc acagggaaga nacagagtta aaacaagcaa tgacttcccc tgttttctta 300

cattcagatg atccctattc ctttttttgtc ntttactcct ctctaattca caatgaataa 360

gccagactca attgtttgtt atganacctt antaataaag ggcatgtngt gtacactcan 420

cttttggtc 429

<210> 7573
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-B2

<400> 7573

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ctctgaagcc acaaatctcc agattcattc gtcgtctcgg ttaaggttag acggagaaga 120

agatacaaca aatatggcgg ttagtatgaa acaaatgtcg ttggtcgtct ctgctttggg 180

cgtcttatcc tttgttttgg gagttatcgc cgagaacaag aagcctgcgt ctgggactcc 240

aataagtgga aaaggagtag ttatctgcaa atacccatct gatccaactg ttgccttggg 300

ataccttttct gctgcttttc tccttgcctg cactgtanca aggatacaaa atccttgttc 360

atctcttaca aagggaaaag tctgttccta actctgtcct tgttcaaaaa gcaaccaagc 420

ttcccngtg gttcctt 437

<210> 7574
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-B5

<400> 7574

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attcaaactt tggggagaat ccgccaccgt cacatagtga gacttcttgg ttacgtagcg 120

aacaaggata cgaatctcct tctttatgag tacatgccta atggaagcct tggagagctt 180

ttgcatggat ctaaaggtgg tcatcttcaa tgggagacga gacatagagt agccgtggaa 240

gctgcaaagg gcttgtgtta tcttcaccat gattgttcac cattgatctt gcatagagat 300

gttaagtcca ataacattct tttggactct gattttgaag cccatgttgc tgattttggg 360

cttgctaagt tcttaagttg atggtgctgc cttctgaant gtatgtcttc aattgctggc 420

tcctaa 426

<210> 7575
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-B6

<400> 7575

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catcatagga agcagttgag tgtgttcttc atagaatcag ataacagacg tcttgctctt 180

ggccgtggct ataccggagg aaccactccc gttaacatcc atggcaaacc catcgccaat 240

ctttccaaaa ccggtggttg gatcgcagct ttcttcattt ttggaaatga aatggcagag 300

agaatggcgt atttcggact ctcggtgaac atggtgggcg ttcaagttct acgtaatgca 360

tanggccntt tgaaaagttc aatcaaaccg caagtcaaga aacttccttt gggancctct 420

caaa 424

<210> 7576
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-G1

<400> 7576

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tttggtgaaa agctgctggg tgttaccatt gagtcatact gggccaatgc tattcgccaa 120

gatggctgag aaacgtaatg tcactgatct catcatgaac gttggtgctg gtggtggaag 180

tggtgcgcct gttgcaactg ctgctcctgc tgctggcggt ggtgctgccg ctgctgctcc 240

tgctgccgag gagaagaaga aggacgaaac cancagaaga naatgatgga gaattgggtt 300

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ttttttttccg naa 373

<210> 7577
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-E11

<400> 7577

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tctacgagaa aatttccttc catttcactc cacgagtttt cacctctctt gttcaatctc 120

tcaacgtctc tccctcgttt ctcgttttcg ctttttcccc ttttcctctt ctattttacc 180

ggaatccgag aatttttgat cagatctagt ttcagaaata ggttagttcc aacaatgttg 240

acggaacgag gaaggcgaat ttctggtttc aatgggagtt tcgaatttag caatagaaaa 300

ttccgtggtt atggattcgt agatcgatct caaggtttcc atgaaaggag tccttcaaga 360

tcatgttctg tttcgaaaat ccttcgtatc acgccaacaa cctcgtctcc accgtcttcg 420

gctcc 425

<210> 7578
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-E2

<400> 7578

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tgaagttgat tattcaaata ctcttttgaa tcttcaattt actcattaca ttttcacatc 180

aaaccatctg accacaaaca acactagaaa tttcactgag agaaacttac catgtctgaa 240

atatcatctt ccatgccttt aacagagaga gtttataatc atctttgtct gtccgatgtt 300

tctctggcct tgttgggact gtttgttttc tgttgtgtgc gtgagaaggt tactaaaaag 360

ctggggccaa cgatatggnc tgtgttcgga attactccag agttctcctt cacaggaatg 420

atgttaatgg gttgggctac aagatgtttg aaaaaatgtc naaggtacct tcccataacg 480

gaatcctggc ttggtggggt cctatg 506

<210> 7579
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-E3

<400> 7579

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agagctgcaa gcattctttc tcatgttgtc aaggacaatc ttcggtgcaa ggaaaaggct 180

ttgaaaatcg tacttgaatc accgatgccg tccatgggaa ctccagagcc tctctttcag 240

aggattgtca gatacctggc tgttgcttct tccatgaaaa gcaaagagaa atcaagcaca 300

ctggggaaat catatattca acagatcatt ttaaaactgc tggtgacatg gactgttgat 360

tgtccgactg cagttcaatg ctttttagat tcccgccacc acctaacgtt tttgctcgag 420

ctgggtaaca gacccagctg caacagt 447

<210> 7580
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-E5

<400> 7580

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acttctccag aatccggccg aggcggcgaa caatcagtct gaatcggacg cgccgccgaa 120

acaggtggct caggccatgg aacgactcaa tcaagcggct agggttatcg ccgatatccg 180

cctcggcgct gaccgtatcc ttgaagctat gttcgtggct tcgcaacctc gtcacacaga 240

catgcctctt cagctctttc tcagagaaga cgcctccaat gcgtcaacat cttcaggatc 300

ttcgcttaat agggaagaaa ttggaagaat ccnggantgt taactgaanc acttaaggtc 360

annaantaan ncttggggtc ttcanatgcc ctttgggttt gtccaaaatg ggtgnatt 418

<210> 7581
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-E6

<400> 7581

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tttctatcac cttgtatggt tgtgtaattt gcaaaacaga caacaatggt tgagcgtggg 120

aagangactc acaatcgttt cagagacaac aacaatgaca acaaccggaa tcaaaggaga 180

agactttctt acgaatccga agaaaaaaag atcgatanca aagacgatct cgttgttgtt 240

tacagaanct tangcccaag tggtgtcatg ggaagtgtta taggcaaaag tggcaaagtt 300

attancttga ttaggcaaga aactagagct aggatcaaag ttgttgatcc ttttccaggt 360

tgtaccgaaa gagtcataac gatcttttgc ncggtttcgg agaagaaaga cattgttgac 420

attgagtaaa 430

<210> 7582
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-E8

<400> 7582

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gaggaggatc acggcacact ctgtttggtg ctgctggaag tagaatgagt tctgtggaga 180

tgtatgatgt tgagaaagat gagtactata aagacgcggt agtgatggat ttgagagtag 240

atggtggtga gaaatggagg gtagttggag atatgtgggg agaagaagag agacctaagc 300

tagggaagat tgttgctgtt gattgtggga agcctgtgtt ttcatgttgg ataaggattg 360

gattcctagg tatgagatgg gttttgaatc gttggagaaa aggaatcaac gttcctaaag 420

aaaagccatt acgacaaaac cggtttggtt tccnttcac 459

<210> 7583
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F1

<400> 7583

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gatggatcaa cggctgagaa gaaaaagatc ttagaaaaac tccgtgttcg tggtgccgta 120

gctataaact taagaccagc aacaaagata gaggatttgg ctgatatgat ggcgaagggt 180

tcaaagtgta gatggggaaa cttcatagga acggttatat ttccgttgtg ggtgaaatca 240

gagaaagatc cgttggagta cattcgacga gccaaagcta cgatggatag gaaaaaaata 300

tctctggaag ctttttttt ctatggaatt attaaattca ccttgaaatt ttttggagga 360

aaggcagtag aagcttttgg gaaagaggat atttggtcac acatcattgg cattttcaaa 420

tgtgaaaggt cccgatgaag aaataagttt ttttcaccat ccgatttcat atatcgcagg 480

aagtgcatta attggagcac aag 503

<210> 7584
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F10

<400> 7584

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tacagcttct ttcctcttct tcaccgggga gatttgtcgg tactaaatct agggtttttg 180

ggtatcaccg gagggttgaa gagagagaaa aaaactcaca atggaatcag atcagggaaa 240

gctatttatc ggcgggattt catgggatac cgacgagaat cttctgagag agtacttcag 300

caatttcggc gaggttttgc aggtcactgt tatgcgagag aaagctactg gtcgtcctag 360

aggattcgga ttcgtcgcat tctcggatcc tgctgttatt gatagggttc ttcaggacaa 420

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tcct 484

<210> 7585
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F12

<400> 7585

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gaagttgtgt gggagtgcca aagatcaaga ccagtttgcg taccacatga gtaatgctca 180

gacttggact angtgcggct ttgactgacg agaacacttg ctccgatggg ttctcgggtc 240

gggttatgga tgggaggatc aagaactcgg ttcgggctan aatcatgaac gtgggacatg 300

aaaccagcaa cgctttgtcc ttgattaatg cctttgctaa aacttactaa tttaaaacta 360

tattttgtcc tgtaaaatat atatatagat aaatgtaatg tcntgccaac agtttgatgt 420

gatatatntt tttcgatnnt ggtagtttcc ttttgttntg taacgtnggt tataatac 478

<210> 7586
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F2

<400> 7586

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nnnnnnnnnn nnnnnnnnnn nnnttttttgc gatatcttca tagaaggaag atggtcttat 180

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gcataatacg taattgtcag atggtataca acaactgtgg acaagagtgt atgtttttca 300

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aaatcgatga gctgatnaaa gantccnctt ggatttgtgc ctcngtactt cctaanaagg 420

aangtgtgtt gacttttcga cttgttcctt gngttcctgg atacatgttc ctttcaacnt 480

ccnanaacat tggtttcctt taacaanggt a 511

<210> 7587
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F5

<400> 7587

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cgtcgcctct aatgctcctc gatctatatc catttccatc accagtctct ctagatgcat 120

tagcactctg attctagcag aacatgagag tggtacaatc aaacctcaga cagtgagtac 180

agtagttgca gctaattcat taggtgagag ctcttcaatt tctttgttat tggctggttc 240

tggttcttct cttcaagaag ctgcttctca agctgcctct tgtcatcctt ctgtttccga 300

ggtacttgtt gctgattctg ataaatttga gtactcttta gctgagcctt ggggctaaat 360

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tttgggcaaa gaatatatta ccccgtgtcg ctgctc 456

<210> 7588
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-F6

<400> 7588

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gtctcttcgt ctaggttttt tttgggttat taaagatggt gaggatcgtg agaagttgtt 180

tacagtccat gttaaagctc gtgaattctc taattgggat ggttgggatt gctatgattc 240

tctacgctgt ttggctgatt aggcaatggc aagaacaaat gggaaatctt ccttttgctg 300

attctgatca ccctgttccg tggttcattt attcatttct tggtctcggg gccattctct 360

gtgttgtcac ttgtgccggg cacatactgc tgaaaccgtg aatggatgtt tgccctttac 420

ttgtaaaatg ggattcataa gtccttgcta actaatg 457

<210> 7589
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-F9

<400> 7589

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gtgtcctttc atcgacggcg agtttgactg tctcaagttc ggccgaccag acaaacagtt 180

cctcaagtac tcttggcaac ctgaatcttg caccatccca aggttcgacg gtggggcatt 240

tctgaggaaa tacagaggaa aacgagtcat gttcgtcgga gactcactga gtttaaacat 300

gtgggaatcg ttggnctgta tgntccatgc gtcngtacca nacgcnaaga ccacttttct 360

caagcgtacc ccactctcta ctctcacttt ccaggaatat ggantaacnt tatatcnata 420

tagaacacca tacatagtan gatatatcca aagaganagt gggcgtgtgc ttaacctttg 480

gancc 485

<210> 7590
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-E1

<400> 7590

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aaaatccccg ggcgaagaaa tttcaattga gattttactc ctcctctctc tctcctcttc 120

ttcactctcc aacaaaagtc tctcgtctca agatatgaag atttctcaag ctccgatctc 180

tgttttcgta ctcttcttgc tctccactgt tttgcctcac catctctcac tgggagctcc 240

gattacatgc tctggtatag ttccaatgaa acacagaaac gagatgctat caatttcgga 300

ttttggagct gtcggtgacg gcaagacctt gaacaccaaa gcattcaatt cagctattga 360

tcggatacga aactccaata acagtaacga aggaactctt ctttatgtgc ctcgtggtgt 420

gtatttgact caaaagcttc aatcttacga gtcacatgac tttatanctc gcccgatggt 480

gctgttatta aagcccgttc angatac 507

<210> 7591
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-B4

<400> 7591

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caataattgg tcccggtagt cctttaaaac ctggtgtngg ttcctttgag aacctaaagc 120

aagccaattg tccacaaagc tgagctctcc tttccttttct cctccaagtt caaagnattc 180

taaactttgg gagcaaagta agcaagtcag agaagaagga caaattagct gaaatgctgg 240

gagattgaaa gccctacgaa gtctctgttt ccgtacaaac actacttgta atgctctgct 300

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ggatgccaat gggaattggg agaaaggatg tcttgaaatc 400

<210> 7592
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-B8

<400> 7592

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aatgtattag acgctagtgt tgatcctgtg agtatcgatc caagtcagtt ccaaggatct 180

ctgcgcaaag gaaatggtga taaggactca aattgctgga attctcctag tggcatgggg 240

tttatgatca ggggaaagac ctacctaaaa gataatgcaa aggtgatggg tgggcagccc 300

cttctaacac ttatatcagt ggattggttc aaagttgata gtgctgtaga caacatcgcc 360

ctgcatccaa aatgtcctat ccaattcgga acctgggaaa aagctccaat tcatcctaag 420

tcatcaatcc tacaaggtac aagcaaagcc ctaactattg 460

<210> 7593
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-C10

<400> 7593

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acaccatggt agacttgttc tcttcatggg aaacaagaat acttctccac ntacatcaag 120

ttcaagctct gatactaccc cctgctcact taagactgga tctgtctcca gtacctgata 180

caattcctcc tcgagcacag gtacaatctc cacttgaagt gatgaacatc cgccctanca 240

tggatgttgc ggttttggat ttctcttaca agtttggtgc aaacgtggtc antgccaaat 300

tacggatccc agcaacctta aataagtttc ttcaacctct acaattgaca tctgannagt 360

tcttcccgca atggganagc aatctcaggt ccancttga aacttcagga agtggttata 420

ggtgtaag 428

<210> 7594
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-C12

<400> 7594

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nnnnnnnnnn nnnnnnnnag caatacttca naagctggtt ttggccatgg aacccaatgg 120

gtacaggaaa gaaagaagaa aggaacaaca tttggggaga atgaatggtg gtggtggtga 180

tgttgagact gatcttgatc catggactgc atgggcttac aagcctcgca ctatctctct 240

tctccttatt ggcgcttgtt ttctcatttg ggctagtgga gctcttgatc ctgacagcac 300

tacatctgat gatcttgtca cttctgtcaa aaggggagtg tgggctatga tcgctgtctt 360

tcttgcttac tctttgctcc aaggcccctt caacggttct aancaggccc caatcctgca 420

atctgg 426

<210> 7595
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-C5

<400> 7595

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ggatcggtgg tggaggcgtt gttcttgatc tcggagattt gaaatggtta gtggaacatc 180

cggcggcaaa cggtggagct gtggtggaga tgaggaagct tctggagaga tataaaggaa 240

ggttatgttt cattggtaca gctacttgtg agacttatct tcgatgtcaa gtttattatc 300

catcaatgga gaatgattgg gatcttcaag ctattccgat cgccgccaaa tcttctcttc 360

cggcgatatt cccaaggctt gggagcaata acaataacaa cgctatgtta ttaagcaaca 420

aca 423

<210> 7596
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D10

<400> 7596

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cttttgggtg tcttcgttgc tttcgtcgcc gttggtgctg gtgctgctta ttttcttaca 180

tcctccaaga aacgcagagt gtgtttggat ccagagaatt tcaaggagtt caagcttgtt 240

aagagacatc agcttagtca caatgtggcc aagttcgttt ttgaactccc aacttctact 300

tctgtgtttg ggtcttccca ttgggacaac acatcagttg caggggggaaa ggatggtcaa 360

ggagaggatg ttattaagcc atacaccccg actacgttag actctgacgt tggacgtttc 420

gaacttgtca ttaagatgta tccgcaagga cggatgtctc atcatttcag gggagatcgt 480

tgt 483

<210> 7597
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D12

<400> 7597

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tcaaattcaa ttttatatgt gagattttca ttcttattca tatgagtttt tgttagattt 120

cttccagttg gtgaatcgtg gtactcattt cttctcatgt gccatggata ttgaaattac 180

ggtttttttt tacgtctaga gtcaattggg tttgtgattt attggggttt actcgaaatt 240

gccgttattg ggtttcttaa agtcttcgtc ttttgaatgt tcttcatcag ttcaaattta 300

cgatttttgt gagggttttg gatacaaatg ttganttcna tgtggattga tcatatggat 360

tatgtaaaag tttanccctt tcctcgaaag anttgatctt taangtgtag caaatcctgg 420

tttgc 425

<210> 7598
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D3

<400> 7598

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gaaaacaaca taanacaaga atgggaaacc ttcaaaaaca aagaaagttc caaaagctca 120

tgggagacac caccgaacat atcaaacgat tcatcaagca accgagaaag gagaagcaac 180

aaggcaacaa cagctaccaa acaataggta cgcactcaca gttgacgagg tgatcgagca 240

acacattgga gcacttgggt ttgctcagat cttgcatgct ctcttggtct ctatcgcttg 300

gatcttcgat gctcagacca ctcttatatc cattttctcc gatgctcaac ccgcggcgag 360

gcttcttgca accggtgcca tcgtggaggg tgcctccttg tgtggattgg ccaatggaga 420

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acataaattt cntgt 495

<210> 7599
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D4

<400> 7599

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gagcttcaga tttcgtcgtt tggtaatttc aagttagagc tacttaatct tttgatctgt 180

caaaccaatt tctcagataa attcactcta gggtttgtga agaacgatga tatgatcaca 240

tttcacaatg caaacggtgc taagcttata gtaaattaat ggtggcttga tgcttaattg 300

aaaagtcgga aacttttta ttcttcttta ttgtttgaga ttcatttcaa tggttgacat 360

gtatgccaag tgtttgttaa aatgtctaaa agaaaacttc aagttgatca cttttggtaa 420

aattgggtaa cctggttccc gtagaatgca aaaaccttaa tgaaaatgtg attgacaact 480

ctgaatcctt gaaaatgtca ccgg 504

<210> 7600
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D6

<400> 7600

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ctctaagcca tgaatcgtcg taatcgtggc tcttcttctt cttcttctag ggtttcgaat 120

acttatggga accgccagtt ctctgataac ccgaggactg gatccggcgg cggagttaat 180

gaatcctttc agagaagatc cgatgcaccg cacaaacgaa acaatgaaaa agacgaatca 240

aaacataaag acgaagatcc tgctgacgtt tcattgattg taggaacttg ttcttctatg 300

tgcccagaga gggaaagagt cacaagagaa cgcctgcgtg atcttgcagt gtttgagagg 360

ctttatggaa aaccctcaaa atcatccaca agagatagct gtcaaaaagt tttgcagaan 420

cctttcancg gcggatgttc aagcatccgg atgtaagacg ctccaagttt tagaagaaac 480

ctgagatacc ttc 493

<210> 7601
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-071-Q1-E1-D7

<400> 7601

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agttgcacaa atgttctaat cagcatggcg ccgtgtctca gcttcatcac tcaaaacact 180

tctctcccgt ctcaacaatg ttgtaaccag ttggctcatg ttgtccggta ttcttctgag 240

tgtttgtgtc aggttctcga tggtgggagg ttctcaagct tgggatcaat gttaatgaga 300

cacaagctct tgctttgcct aaagcttgtc atgttgaaac tcctcctgct agtcgctgcc 360

atagtggttc ttcggttaat tcacattcag aacatggaaa tggatcaaaa acagtcccaa 420

g 421

<210> 7602
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D8

<400> 7602

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gaagtttccc catgaaatcc gagaagattc aaatgtaaat tcagcctccg attcatatat 120

tttgctcacc ggaaacttca gatcgagcta ctgcaatttg cggatcgtgt ttttttttct 180

ttcaattcac ggtgtattta tctcgggaga agaagaatgg atactttcac ggcggaggat 240

ctgtcgacga tcggcggaat agcgacagta tcgctccttc actcgtttat tccgacgcat 300

tggctacctt tctccatcgt cggacgtgcg cagaaatgga cgctttcgag aacactcctc 360

gtcactgcat ttggagcagt cctacatgtt atatccactt ctctccttgg gataacagca 420

atcacaatgg cgaataccat ccgctnggtg aagaaacngt tcaanaaact tgcttccctt 480

ttggcctgga attccncggg tggaaagcta 510

<210> 7603
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-D9

<400> 7603

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cgtccgcgga cgcgtgggtg tcggtgtgtt cttcgtcttc ttcttctcag aaaacatgga 120

ttgttaacgg gatcttggcc ggaacagcga ttgcagccgc aatcggcgca cgtgcttatc 180

tgggtcgatc caagaaattc cggagccggg tcgtcggaat cattcccgca cgttacgctt 240

cctctcgatt cgagggtaag cctctcgtgc aaatcctcgg caaacccatg atccagagaa 300

cttgggagag gtcgaagtta gctactacgc ttgatcatat tgttgtagcc actgatgatg 360

aaagaatcgc ggagtgttgt cgtggatttg gtgccgatgt tatcatgact tcagaagtct 420

tgcagaaatg gcactgagaa gtgcaacgaa gcgctagaaa agctggagaa agaagtatga 480

tgtcctt 487

<210> 7604
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-B3

<400> 7604

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tccttgaggc tcttgaccag atcaacgagc ccaagaggcc gtcagacaag ccccttcgtc 120

tcccacttca ggatgtctac aagattggtg gtattggaac ggtgccagtg ggacgtgttg 180

agactggtat gatcaancct ggtatggttg tgacctttgc tcccacagga ttgaccactg 240

aaggtcaant ctgttganat gcaccaacga antccctcct tgaaggcact tccaaggtga 300

naacgnttgg ggttcaanng ttaaaaaaat nttgccctta aagggntctn aaaaaaaagg 360

ggtactttcc ccctccaaac nccaanggga tgaccctgcc aaaggggtgc 410

<210> 7605
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-B12

<400> 7605

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aacaatggcg gatccaccac atttctctct gtttcagcaa aaatttcgta ccggagacaa 120

accatttctc actcttgatg ctgacttctt aatgaatcac acgaaagtgt tactaaaatc 180

ggatgcttca gacaaagttt ggaaagtgaa actggacggc ggtaggctct ccgaaggctg 240

ggaagagttc gcctgcgacc agaaattcag agacggtgac gttttggttt tcaaacatca 300

tggagacgag gtctttcatg tagctgtggt gtccccatct gtttccggcg acatacgtaa 360

cgcatcttct agccaaagtt attacgggaa gatactanat tgatgttgac caatgntg 418

<210> 7606
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-B3

<400> 7606

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tcaagagcct gagcagccaa tgcagagcct tgacacgatt atgcagataa tatcggaggc 120

tacgattccg actgttcgta atcgttgcct cgatgatttc atggcggata atcttgatct 180

agacgatgac atggatgact ttgattccga atctgagatt gatgttgaca gtagtggaga 240

gatagtttat gctctctgag attcctgagg acaaagtctg ttttgtccgt actgttgaga 300

cacaccactg gagttttgtc ttagctccac gcactccatc gttcattttt ggatcgtttg 360

ttgtttttta ctctacaagc tttggattca catacatata tatgtantgt aatgtaatat 420

gttataaaat ccaagtaatt ccccccttgg 449

<210> 7607
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-B5

<400> 7607

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ggtgatcttt gtttcaccaa tggtgttcgc agatgatttg acaccaatcc cagagggcaa 180

accccaagtg gtgcagtggt tcaataccca cgttggtcca ttggctcaac gtaaaggctt 240

agatcctgct ctcgtagctg ctgaggctgc tccacgtatc atcaacgtga atccaaaggg 300

aggtgaattc aaaacactaa cagacgcaat aaagagcgtt cccgcaggga acacaaagcg 360

ggtgatcata aagatggctc atggtgagta caagagagaa ggtcactatc gacaggaaca 420

aancccttcaa tacattgaag ggga 444

<210> 7608
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-C1

<400> 7608

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atctttccct ctctcagcaa tgcatgatct tcgattttct atcagtgttc aaagctgaaa 120

aaaatcgaac tgggtctgtt gatttcttca ggtctaaaat cagattagat tagagaagaa 180

gaagaagaat gctggaagct gtagatagct caggagtggt gaatggagga ttcccgcaga 240

ttcagagctt ttacggcgat tgcagtagtg aagaagagtt atcggtattg ccacgtcata 300

caaaagtggt ggtcaccgga aacaaccgga cgaaatcggt gcttgttggt cttcaaggtg 360

ttgtcaaaaa agctgtcggt ctcggtggtt ggcattggct ggttttgaca aatggaatan 420

aagttaaatt gc 432

<210> 7609
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-C11

<400> 7609

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atactgtctg gaacttcaat gtcatgtcct catgtaagtg gtgtagctgc tttgatcaaa 120

tcaaggcatc cagattggag tcctgcagca atcaaatcag ctctcatgac aactgcttat 180

gttcatgaca acatgtttaa gcctcttacg gatgcatcag gagcagctcc ttcatcgcct 240

tatgatcacg gtgcaggaca tatagatcct ttaagagcta cagatcctgg tttggtctac 300

gacattggac ctcaagagta ttttgaattc ctctgcactc aagatttaag tccatcacag 360

cttaaggtat tcacanaaca ttcanacaga acctgcaaac acactcctgc caa 413

<210> 7610
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-C12

<400> 7610

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tggactgatc tttttgagga gcatcaagac tggcttactc aagataatct tcataagctc 120

tcggatcatc tcattgagtg tgattatgta agtgaaccaa cggtctcaaa cctctcaaag 180

tcattgaaat ctcgatgtgg gtcttcttct tcttcagcac aaccattgtt agccgtagat 240

gtaacaactc aaagtcaggg cgaaaaaccg gaggaagatt tgcttctgca agatacaaca 300

atggaangat gataatagtg ctaatggtga agcttgggaa tttacagaga ctgaactcga 360

aacgttgggt ctaaaagaac tcgagattga tgatnga 397

<210> 7611
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-C3

<400> 7611

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aagctggcaa ctttgtttca attgggaaca agggtttgac tttcaggtcc acacggttcg 120

cactcggata ctaacagaca tggcttgggt caccatgaag gcatacctga acgtggatgg 180

tggtccattc ctaataacca atgtgttcga gttccacaat ggaaggtggc acatggttca 240

tcatcacagc tcagtgatgc tcatcgatga tcaacaagtt gttgttcatt gatgaatgat 300

gataatatct tttagttttg gtttccttct cttcttttat tttcatgggg acaacaaata 360

aagaanaaga aagaaactgc atattggana aattggctta ttanattttt agtggttatt 420

atttaagttt taactacatg tactgaatgt tccaattttt ttttttcccc anttg 475

<210> 7612
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-C5

<400> 7612

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gatgcttctc aggaaaacaa accttctaac ggcaacaagt ccggcgattc cgcggctccg 180

aaatcgttcg gtttaaacac ggattggaga gagttcagag cgaacttgtt tatgaaagag 240

caggaagaaa aggcggaagc tgagggtcat gaatcggaac ctataggttt gaaatgggca 300

catccgattc cgtttcctga gactggttgt gttctagttg ctacagagaa gctaagatgg 360

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caaagaaagg gcntttgg 438

<210> 7613
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-D1

<400> 7613

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tcaatttctc ttcaatggct ataacacacc ccaaaatccc ttctttcggt tttacaccca 180

ccggaatatt cctaaaccca tcaaaatcag tgtgtttggc ttcacatcat cggcttccga 240

gagtttcatg ctctgtttct actactactg attctcccaa gctagtgact tcaacaaagg 300

tgacggcaat ggatggagtg agctctagag acttggagat gtcgaattta acggcgttat 360

cgcctttgga tggacgttat tggagtaaag ttaaggactt ggcttcttct ttgagcgaag 420

tttggattga tctatttccg agtttttgtc gagatnaaat ggcttcctaa gctttcnaat 480

aatcctgaag tcac 494

<210> 7614
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-069-Q1-E1-D11

<400> 7614

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ccgagactcc atggctcgaa ccttcatctt atggcttcac gggctaggtg attccggacc 180

tgccaacgaa cccatcaaaa cacttttcag gtcccaggag tttagaaaca ctaagtggct 240

cttcccttct gctccaccaa atccagtctc ttgcaattat ggtgcagtga tgccttcttg 300

gtttgacatc cctgagcttc ctcttactgc gggatctccg aaagatgaaa gcagtttgct 360

taaagcagtt aagaacgttc atgccattat aagataagga gattgcaagg aggga 415

<210> 7615
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-D12

<400> 7615

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tnctctantn tttttgcaca agcaacattt agcttctgca aacnccagtt catctctcaa 120

ccctcatatc tccgtgtttt ctcgctctag taccgcgagc tcngannaac cangaagcaa 180

tccgttaatc tagaagcggt gttgagaaga tgacgattac atcaantatc tctgtacana 240

acnataacct cgttgttcaa gggaagacta tccttaccaa aatccctgan aacattatcc 300

taactccggt taccggtaat ggattcgntt ccggttcatt tataggcgcn acgtttgaac 360

aaagcaaaga gtcntcangt gttccccanc ggtgtantgg anggtcctcc gttcaagtt 419

<210> 7616
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-D3

<400> 7616

tacggggccn gaattccggg accaaccaac gcgtccgcgg gacccccttgg gcggacgcnt 60

ngggaaaaga aaganaaatc aaatcaacca aagtccatcc ggngccgatt acaagangaa 120

agaaagaaaa ncatggnggg aaagaaagaa gaaaaagcgt gaatgaaagc aagttgatgg 180

gtggcgattt gatgaaagcn aaatgtagta aacgcgctct tcaatggacg ctcgtgtatc 240

tcaaagataa gcctccgccg attccggaca tcatcctctt cactgctcaa acctcatctt 300

ggatctcaag ctgcgtctaa tgcttcctct tatgggcgcc gctccgattt gaagcttata 360

aaactcattg caaagaagaa tcataaagaa cgctgggatt gaatccgtcc ttgatggaaa 420

ggaaccaaaa atttggtgct gaagactggg gggttactcc aaagaaaagg gtgtttggga 480

attttgggaa tccctaaaag aaancgatat g 511

<210> 7617
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-D5

<400> 7617

acgcgtccga tacataccac tcaccgtacc aaaaagatta gaccaacana aaaaaaaaaa 60

naaaggacca gctcagatga gtctggagtt tccaagttta aaacctctct acctcgattt 120

gagcaaatcc tgatttactc tcatcctcat catctctcat catcgagatt catagtctct 180

tttgccgctt ggattcttcc aaggttantg agctgctatg gcaactcatc agcaaangca 240

acctccttcc gattttcccg ctcttgccga tgaaaattcc canattccag aggctactaa 300

gcctgctaat gaggttcagc aagctaccat agctcaggat cctccaacat ctgtgtttaa 360

naattctgaa ccaatacggg aggattaaat tcagaacgct atcaaattcc tttcgcaacc 420

ganggtaaaa gcctcctgt 439

<210> 7618
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-E1

<400> 7618

taataacatc ccttgtgatc aaacaagtaa accattcaaa agatgaaagg aagaattttg 60

attttgagtt tgctcataat gagtctggtc atggcacaag ttcaagtaga agcaaagatc 120

tgctgcccttt ccaaccaagc tagaaatggc tatagtgtat gccgtataag gttttccaag 180

ggaaggtgta tgcaagtgag tggatgccaa aactctgata catgccctcg aggttgggta 240

aacgccattc tcgaaaactc agctgatgct accaatgagc actgcaagtt agggtgtgaa 300

acttctgtgt gtgggtgcca tgaacactct ccaagaactc tgatgcaagt gaaattgtga 360

atggagcgtc ggaacaatgt gccaagggat gttcnaattt ccgtaccaaa gagctaagt 419

<210> 7619
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-A6

<400> 7619

tttattgtcc cgacacacga aaatggcgtc tcttagccaa atcaccctgc cacgcgcgcc 60

gtcgtcggag attggcctct tacgccgtcg attggagcgg ccgatcatca gaacccggat 120

cggattcaac ggccggattg cgagcgtatt gactaacgca ggggaccaag cggtgtcggt 180

aaaagcgagt gtgagccaga aggtgattga agaggaagcc aaagttattg tgggtaccta 240

cgcgcgagct ccagtggttc tctcgagtgg gaaaggttgt aaattgttcg accctgaagg 300

aaaagagtat ctggattgtg catctggaat cgctgtgaat gctcttgggt catggagatc 360

ctgattggct tcgagctgtc actgagcaag ctggtgttcc tgcccaatgt cagcaatgtt 420

aantacacga ttccctcaan ataga 445

<210> 7620
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-F4

<400> 7620

acgcgtccgc tcatgcctcc taacatcatc cttgttcacg gtgaagctaa cgagatgatg 60

aggctcaaac agaagctctt aacagagttt cctgatggaa acacaaagat catgaccccg 120

aagaactgtg agtcagtgga aatgtatttt aattctgaga aattggcgaa aaccattggg 180

agattggcgg aaaagacacc tgatgttggc gatacagtaa gcgggattct ggtgaagaaa 240

gggttcactt atcagataat ggcacctgac gaactccatg ttttctcaca gctatcaaca 300

gcaactgtaa ctcagcgaat tacaatcccg tttgtaggag cttttggtgt gataaaacat 360

cgcctggaga agattttcga gagcgtggaa ttttcaacaa gatgangaat cc 412

<210> 7621
<211> 242
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-F9

<400> 7621

gaaacactca cttacgctat cggttgagaa gacttacttc aagtcccact ctttttttgta 60

cgtataaaaa cactcttatt aactccatat catccctttt tttgttggtt cgtcttttag 120

gaagttcttt ttttttagct gttgagtcat ttgtttgtac tattcgcaca tttttgtgtt 180

cttgaaggtg aagaactcta ttgaggttct ttggtaaaaa aagnngagan naaaanaaaa 240

gg 242

<210> 7622
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-G10

<400> 7622

acgcgtgggc ggacgcgtgg gcagagtcac cggtaaactc atctccggcg acataaaaac 60

acaaaagttc atatatttag attctggtga ctctctgctc taatgggtca atctcaagtt 120

tctctctttc ttcttctaat tcttgttttc atctatggag tttcctccac cactttcacc 180

atcgttaacc agtgtagcta caccgtctgg cctggacttc tctccggcgc cggaacctct 240

cctttaccta naaccggatt ctccttaaac cctaccgaga cacgagttat cccgatcccc 300

gcagcttggt ccggtcgtat ttggggtcgt actctctgca cacaagacgc aaccaccgga 360

aagattcact tgcatcagcg ggggactgtg ggttcttcca nccgtagaat gc 412

<210> 7623
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-G12

<400> 7623

aactgttaca aactgaacca agacgcacaa gcgagtctcg tgggtcatgc tcgaatcaaa 60

agtcagttaa tggctaatgc ttctgcaaaa cgttattatc ggggatttgt tccggagcct 120

ctggttggta tctgttaccc ggccactgaa ataccgagtt ggttctgcca ccaaagacta 180

ggacgttcac tagaaatccc attgcctccg cactggtgtg atattaactt tgttggactt 240

gcgttatctg tagttgtctc attcaaggac tatgaagaca gtgcgaaacg tttctcggta 300

aagtgttgtg gcaacttcga agaacaaaga cagttccttc acgagatttg atttcactct 360

cgcangctgg aacgaaccat gtggattcct tagccatgan tcaaggaaag ctcact 416

<210> 7624
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-G2

<400> 7624

gnccgtccaa aattaacggg tcgacncacg cgtccggtga anacgttgtc tgttggtgga 60

gcaagttcta ccacaccgtc aaaatccacg aaatctgcta ctaccaattc cagtgtacaa 120

tctcagtcac atagggcatc tcttttggan actatcttac aaggggagct tccatgcgac 180

cttgncaagt cnaattctac atataatgtt ctggcactgt tacgtgtatt anagggttta 240

aatcagcttt gccctcgttt aagagcccaa actctttccg atcgttttgc aaagggtaaa 300

attacaagtc taagatgatc tgagtacaac tgctgctaag gttcctcttg atgaatttgt 360

caatagcaaa cttacaccca aattggctcg acaaatccag ggatgcgctt gctttgtgca 420

gtgggaagtc ntccctcttg gtgcaacant tg 452

<210> 7625
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-G3

<400> 7625

ggtccaaaaa ttcncgggtc nacccacgcg tccgcatctg ctcagaagtg ggattatatc 60

ggttgtgtaa gggctcatac acatgatatc agggctctaa ctgttgcagt gccaataagt 120

tgggaaggtt ccattccaga taggaatgca aaagtaacaa gtcctaaaca gcgcaggaag 180

gagccggctg gtttcagtta ccataaatgg gcacatttgg gggttccgat gctcatttca 240

gctggtgatg atgccaagct ttatgcatac tcggttcaag agtttactaa gttccctcca 300

catgatatat gtcctgcgcc tcaaaaaant gcccatgcag ntggtacata atacatngtt 360

caatcaaact tccccttccc ttggttcagg atnccngtcc ctttaaaant ncctntcgna 420

nttcacataa nncaatgatt ccnagtgggg cgttttcccc 460

<210> 7626
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-G6

<400> 7626

acgcgtgggc ggacgcgtgg gcggacgcgt gggtgttgac catacgtgtg ggcatcccaa 60

tggtgcacac actccttccc ctacaactaa tcatttaatg ggttcagtcc ctaaagttgg 120

aggcttccca ccattaggtg ctcacggtcc atttcagcca acaccagctc ctcttacaac 180

atctcttgca ggatggatgc ctaatccatc ggtacaacac cctactgttt ccgctgggcc 240

tatcggctta ggtgccccca acagtgctgt gtctatgtta aagcgtgagc gtcccaggag 300

tcctccaact aatagcctat caatggatta tcaagacggc agattctgaa agtgtgttga 360

agagacccag acctttggt aattcanatg gggttaataa tcctccaat 409

<210> 7627
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-H2

<400> 7627

ggatgcagcc aacacaatat atgcatggtg gcaataccaa ttctgtgatg tgtacattga 60

agcaattaag ccttattttg ctggtgacaa cccaacgttt gcttcagaga gggctcatgc 120

acaacatgct ctctggataa gtctggagac tggtttgaga ctgcttcacc catttatgcc 180

ttttgttact gaagagctat ggcaacgact tcccgcaccc aaagacacag aaagaaaggc 240

ttctatcatg atatgtgact acccatctgc cataganaac tggtcaaatg agaaagtgga 300

gagcgaaatg gacaccgttc tggcaactgt gaaatgcatg agagcactca nggcaaggtt 360

gctggagaaa cagaaaaacg aaangttacc tgcttttgct ccgtgtnaaa aaca 414

<210> 7628
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-H5

<400> 7628

acgcgtccga acgatccata gatctcaagt ctctctctct tagtgaataa attagggttc 60

gttgattctc tgttcttaag ctcagtaatc gaggagaaga agaaaaggga agatcgggaa 120

ttgggaaact gagaagtcaa aaaggcaaat gcgagtggag gagattgagt tttagaattc 180

caatgtcttg ggctgctcct gatgatatct tcttctccac ttctcttgct gcntacctag 240

acaagaaact tcttgtgttg cttcgtgatg gtaggaaact gatgggtcta cttcggtcct 300

ttgatcaatt tgctaatgcg ttttagnana agcttatnga aagagtcatt gtgggtggat 360

ntcctacngt gnanantccc ttaggtctat acattaancc gttgg 405

<210> 7629
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-067-Q1-E1-H7

<400> 7629

acgcgtccgc tgatatttat tttcttacct taaatacgac ggtgcttcac tgagtccgac 60

tcagttaact cgttcctctc tctgtgtgtg gttttggtag acgacgacga cgataatgga 120

ggagctagat cgttcacgtg cttttgccag agacgtcaaa cgtatcgtcg ttaaggttgg 180

gacagcagtt gttactggaa aaggtggaag attggctctt ggtcgtttag gagcactgtg 240

tgaacagctt gcggaattaa actcggatgg atttgaggtg atattggtgt catctggtgc 300

ggttggtctt ggcaggcaaa ggcttcgtta tcgacaatta gtcaatagca gctttgcgga 360

tcttcagaag cctcagactg aacttgatgg gaaggcttgt gctggtgtt 409

<210> 7630
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-067-Q1-E1-H9

<400> 7630

atgatggtca gggacctgaa cattcaagtg cgaggttgga acgttacctt cagatgagtg 60

atgataatcc ctatgtcata ccagacatgg aaccaacaat gcgaaagcaa attcaagaat 120

gtaattggca gattgtcaat gccacaactc ccgccaacta tttccatgtt ctgcggcgac 180

agatacacag agacttccgt aagcctctga ttgtaatggc accaaagaac ttgctccgtc 240

acaaggactg caaatcaaat ctctcagagt ttgatgatgt ccaaggccac ccaggttttg 300

acaagcaagg aactagattt aagcgattaa tcaaggatca agaatgatca ctctgatctt 360

gaagaaggca tcagaagatt ggtactttgc tccggaaagg tctattatga gcttga 416

<210> 7631
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-A1

<400> 7631

acgcgtccgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnncgggatt tggagtttgt gtacaaaaag actgttgttg gaatgtgcaa atgagacaat 120

attggaaatg ttatttgcag cagaaggagg aggattcttc tcttcatcag cttctggtta 180

tagcaatggt ttagctcttc ttctattagg tcaaaagact gaacaaaaac caatcaaagt 240

ttcatcacaa tggaaccatt atcatttagt tcttgaagat tctgataccg ggtttcggtt 300

agattcgtct aagaattggc tctcttctgc ttgcacttct ctcatatgtt ttgggtcgaa 360

aatccgaaag actggaaagc gacgggaaga aagatgnngc accgagtgtg gangactata 420

ataactgtga agtcactaan aaggtttcaa 450

<210> 7632
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-069-Q1-E1-A10

<400> 7632

acggtcgagt tttccttcag ataccggcga gaaccgccgc aattctcttg gacgcagcgg 60

cgaggattca gaagcagcag tcagagaagg ctaagaccaa taaagctcgg accagaggaa 120

acgggtttgg tatgttcggg tctgtcttga agctgctgac ataccgtata acaaaaccgc 180

gtttggataa cgctgatgga aacgcagttt cgttggaacg cgggtcggaa ccgacgagta 240

gtagccggag agagcgtatc gtggagatta gtgataaatg cttttgtgaa agccctttc 300

attttgttct ccaaacaact ccttcttcct ccggtcacca agactcctca ctttacatcg 360

acggccactt ctccggcgcg accaatactg aggtttgtct caatccccgt ttttta 416

<210> 7633
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-A2

<400> 7633

attcccggan cgacccacgc gtccgcnttc gcgtcttttg cttcctccct ctttttcgcc 60

aatgttttct ttagatctag ctaatatggc gacgattttg ttctttctcg cttctaatca 120

ccgtagagat ccttccgatc tgcaaatccg atccgaattc tcaacgaant tgtagatctg 180

atctgtgatt ccatcgttga cgacggatct tcgcttacat cgtttgatct gtcgcagatc 240

tgccgttttc tatagatcta gatctgggat cgtccttcgc ggcttcttca catgcaagat 300

tctgtgaatt gttcangttg aggcatcatt tctgggatta cnacgacgac gaanctgttg 360

cagacngatg tgtgtgtgtn ggagtgaann tgagantagg ggtgtanaag atgtttttgt 420

ggatagccaa aaacttcctg aant 444

<210> 7634
<211> 145
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-A3

<400> 7634

ttttttttttt tttgggatag gacataataa ttattttaac agaaaagagc atttacactt 60

tggggctcta tgtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnngg 145

<210> 7635
<211> 458

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-A5

<400> 7635

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cgttcgtcct ctcccgtcgt ctctccgcac taaattgatg ggcacatcat ctgggtccaa 120

tcttcctcac caagatgcta cctccacgtc agcaactaca aacatctctt tcgcttgtat 180

cttcagatcc ccacttgtca cggtctaatt ctggcattgt gcgtgaatca ccagctgaaa 240

gtgctagctc tcaagaaact tggccaacct caaaatctat tatgggaagg aagacagata 300

gcggaaagac agggcctgac tctcatgatc aacatgtgat ccgccatgtt tccattgctg 360

ataaggtatc gctacgggac atagctaaga gagagacttg acatagtcgc tgagaaaatg 420

catcgattac cangaaagaa tatcccnaag gagttaaa 458

<210> 7636
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-F1

<400> 7636

taanaaatct gattcttctt tccttgtaaa taaagatatg gatctgttac taaaacaaag 60

tcgctttatt cagatctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tctctgttaa 120

natgtcttca acaacaacag attctacaga attgnaaaat ctgatcaaac tgtttcaaaa 180

ttgccaaact catcctcgtc aacattttcc tgcaaaatct tcagctgtat taantttgtc 240

tataccaaga acantagaga agacaangaa cgaagctacg cgtaatctta accaagcgat 300

ctactactct ctcttctcat cctggggaag tagcattgcc tggaggaaaa agagaccntg 360

angataaaga tgatntagct actgcgttga gagaagctcg tnaagaaat 409

<210> 7637
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-A12

<400> 7637

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caggagaagc aacgctgtct cattctctct gaggaaggac tctcgttctt ctgggaaggt 120

ttttgctcgg aagccatcgt atgattctga ttcgtcttcc ttagctacca ctgcatctga 180

gaagctccgt ggccatcaga gtgatagctc ttcatctgcc tctgatcaag tanaatctcg 240

ggatactgtc tctgacgana ctcaggtgct cggcaatgta nacgttcaga naactganga 300

agcccaggaa anagnagaca cttggatnaa ngcttctgca ctctnaacat ctggaagcat 360

angtta 366

<210> 7638
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-A9

<400> 7638

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ggaggaaggc gttgaagtca agtatttctg gggaagcact ctctatcatt tggatgattt 120

gcccttcaaa attgaagact tgccgtcaaa ttacggagct ttcaaggata aagtccagaa 180

attggagatt aggaagacta tcgcagcgct tgatcaattg aaaagcttgc cctctcgagg 240

agacgttgag cttggcgata ttccttctct cctggatctt ggcattagcc ccactcctag 300

gactagccag gaggggggaaa cccgacaatg gttggaggag aaacagaggc gttgactang 360

actaanagag ctttgccgcg gattgtcaag ctccgggttt aagcaagggn aaacc 415

<210> 7639
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-B12

<400> 7639

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acgaaagaga gaagaagaga aagagatttg aaatcatggc gaatgtagtg ggacagctaa 120

aacgaggaat ctcgagacaa ttctcaactg gatcgcttcg tcgtacgctt angtcgtcaa 180

ttcacgcgtc aagcttcaca tgatcctcgc cggaacaata tgcgatttag ttttggtcga 240

caatcgtctt tagatcccga ttcgtcgnga gtcctgatgg ttctaacggt ccgcagcttg 300

ctgtaccggg ataatctcga cgctactatg cagcttctat ttgtggcttg tncaggtgat 360

gtnggaaggt gttnaggatc tgntttgatg aaggtnntgg angttaaaga ggtatcc 417

<210> 7640
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-B3

<400> 7640

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cagattcttt ttggcgaggg ttggttgatt ccttcttatt catcagatta aggatcgttt 120

ccggtggctn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntaa aaatgtcaga 180

cctagatcgg caaatagggc agcttaagcg atgcgaacca ttgagcgaat cggaggtgaa 240

ggctctttgc ctcaaagcca tggaaattct tgttgaagag agtaatgttc agagagttga 300

tgcccctgtc actttatgtg gtgacatcca tgggcaagtt ctatgatatg atggagcttt 360

tcaaaagttg ggggtgattg tcctaanacc aactaatttg tttaatggga gatttgttn 419

<210> 7641
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C10

<400> 7641

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tctttggttt tgcttaattc gtgtgtggaa tgtgttttgg gggatggatc tgtggtgggt 120

cctgcgaggt ttagagacga tgattgtagg tggggccgga ggaggtttgg ggcacggtgg 180

tggtgttggt ggagggcatg gaggaggcgt cggnattggg attggaattg gaataggtgt 240

tggggtaggt ggaggctctg gtcaaggttc cggcancgga agcggtantg gtggcggcgg 300

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tactacttct tggcattcta tttctcgtgt attgttttca 400

<210> 7642
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C11

<400> 7642

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ngccttagtg tgtgtgtgtg aatcttctca acgaaagcca agttcttttc tttgttggtg 120

tttctgggtt tattgcgaca atgggagctg ancattttat gcctgangaa gttcaataga 180

ggtttctttg tgtgtttatg ngtgatnctc tcgcgatctt gcgcatcagc ganctatgtg 240

ntcntcaagg canangtttg atgtgaaaga agcatttgaa tagggctcaa caaacntcct 300

gttaacacna ntcacgaagt ccatgatgga natataagcg accgtattcc tanttcaaga 360

gcagcnagct tttgaccaac ccttcntcaa nagaccanga nnattcagat gaagcctaag 420

ttacc 425

<210> 7643
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C4

<400> 7643

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aaaaagagac aaagaaaaag taaagagaag tgcgctctct cttactctca tcgattttac 120

aaaatatcag ccatctccaa attacagagt tctttctcaa acccaggtta tcattttcca 180

aagtttgaan gtgtgttcct gtccctgcan agatggcttg gtacttatna atgtgtttat 240

actaatcact aaactcnggg attttggctg tataatcaan aatttcattt antaacattg 300

tttggccttg aaggggggtga tgataaacca aagctcaaaa cgggtgcact cngttgtatt 360

gtggcctcaa aggcactggt tacaacaaaa tcttcaaccc acancgggaa gggatattcc 420

ncaatcaagt caagctgaaa ccttgcaatg gngggcaaaa tttcagcntc tcacccg 477

<210> 7644
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C6

<400> 7644

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ctggttcctc tatacttgtt cggatcagaa acaaagtctc tctcagcaac agagtccatt 120

ttgcagatag ttcctgaggc aatggctgct acttcatcta acgtcctttg caatgctagc 180

gagtcagatc tttgtcgtga tgattccgct gcatttctac ttaaatttgt agccattgct 240

tcgattctct tagctggagc tgctgggtgt aactatacna ctcattggca ngaaccgtcg 300

tttcnttcaa actgatggta acctctttgt gactgctaaa agcttttgca gcctggtgtg 360

attcnccgcc acgggttttg tcatatgtng gcgggtggca cggaaactt 409

<210> 7645
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C7

<400> 7645

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aatgcataaa aaagattagc ttgcanagca atcgattgac ctctatgaaa ggatttgagg 120

aatgtgttgc tcttgaagag ttatatttga gccataatgg tatctccaaa atggaaggct 180

tgagtgcatt ggtcaaccta cgggtattgg acgtgtcgaa caacaagctt acttcagttg 240

atgacattca ggaacctcac aaagttggaa gatttgtggc ttaatgacaa ccagatagaa 300

tcactggaag caatcacaga agctgttaca ggatctaaag agaagcttac cactatcnac 360

ctcgaaaata acccntgtgc caagtcctcc ggattatgtt gctgccggca na 412

<210> 7646
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-C9

<400> 7646

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ttcttcanca tcaaatgtca accgccaccc tcgtcgtctt ccctcctcca cctcctgtcn 120

ctatccctac ctatataact agcctcggnc ttggctactc catagccata gctctaggtt 180

tcctcgttct tatctccaca atcattctct cttcttacat ctgttgccgc gcctcacgcc 240

tccgcttctc tgcctccgcc gcaaacgcaa acgcaaacgc atcgtttaac gaccgtggcg 300

ttatcgtccc aagaatcana ttcgtagntg gaagacgacg atcttgagtc tggaaacgtc 360

gtcgttggag gtcntgatca ttcagtcatc aactcttacc ctaaantcca 410

<210> 7647
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-D5

<400> 7647

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nnnnnnnnnn nnnnnagaca ctaagattca agtcctctct ttggtcggag aagatgcagg 120

tagtctcgag cttcgatttt cagtcttcgc cgttctcaca cggcgccgga gagattctca 180

tttctccggt agaccaccga gagttatcct cacacggtga cgcgcttgaa ggcgcgtgtg 240

atgactcgac tagattggcg gcggtgaaag tacagaaggt ctacaggagt tatcgtacgc 300

ggcgtagatt agcaagactc tgtcgttgtc gccgaagagc tctggtggca agcgatggat 360

tatgcgaagg cttaatcata gtacganttc gtttttcgat taccgagaa 409

<210> 7648
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-D6

<400> 7648

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cattcaacat ttcaaaaagc cctgngctca tgaccatgaa ccaataaggg aacttgttga 120

tgccgtcaan gcaatcaagc cnacagttct gatcggnaca tcaggtgtan gtcaaacatt 180

cactcaagac gtggtggaaa ccatggcaaa gctaaatgag aaacccatca ttctttctct 240

ttcgaaccca acttctcant canaatgtac ggcagaagag gcctatacgt ggagtcaggg 300

actggcgatc tttgcaagtg gaagcccatt tgcgccagta gagtatgacg gaaagacgtt 360

tgtgcctgga caggcacaca acgcatacat cttccctgng tttggactc 409

<210> 7649
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-E10

<400> 7649

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ccttagctat tctattagtt gtggcgactt gcaaacctga agaagagatt acttgcgaag 120

agaacgttcc attcacatgt anccaaacag atcgtttcaa caaacaagat ttcgaaagcg 180

acttcatctt cggtgttgca tcttctgctt accagatcga aggcggcaga ggtcgtggac 240

ttaangtttg ggatggcttc actcaccgan acccaganaa aggtggagcc gatttggggc 300

aatggnagac actacntgtg actcatancg gacttgggca gaaagatcta gacgtgatgg 360

gaanaccttg ggngttaaag gntacaggat tctcctttgc gtggtcaang aatccttcca 420

a 421

<210> 7650
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-E11

<400> 7650

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tgaagcgaat ccggaggatc tgtattcgtc tccggtctct gtacgtatcg cttgggtgat 120

tttactcacg ctttgtaaaa tcgacggtaa agctcagccg tataaagacg ttgctttgtc 180

ttatctcttc ctcgctaaca atctccaata cgtcgtcgtt aaagtccgat cgtcgactct 240

gaaggttctt ctcggagacg attgggtgtt taggcatgaa gagaaggtga agctgtatgc 300

tgataagttt gagaagcttg cgtgggggaa agtgctggat ttactaccgg nagattccaa 360

cgcgatggag atttcgcccg ganggaagct aaggttttgg tnggcgagat tcaacgatga 420

<210> 7651
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-E7

<400> 7651

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gacgcgtggg aagagaaaca acaagaagta gtaatggctt cctctatgct ctcctccgcc 120

gctgtggtta catccccggc tcaggccacc atggtcgctc cattcaccgg cttgaagtca 180

tccgctgcat tcccggtcac ccgcaagacc aacaaggaca tcacttcatc gcaagcaacg 240

gggggaaaga gtttagctgc atgaaagggt gtggccacca aatttgggaa agaaagaaan 300

tttgaagaac tcctaatcct taacctcccc tgaaccttaa gtgaacgtnc gaatttggnt 360

taagggnant tnaactaacc ttcctcccgc aaacaaagtt nggatccctt ggtgttgaaa 420

ttcnangtta gagcacgggn tttgtgtacc cgtgaagcac gggaaacact cccngatact 480

acnatggncg gtactgggca atttngaaac 510

<210> 7652
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-067-Q1-E1-A10

<400> 7652

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cggcgtcggg acttatcaac tcccatcaac cttcatgtgt tctatataag ctttatcttc 180

attgaatctt cctccgttat ctcaaatctc tcaaaatatc taaatctcct tttttatgtg 240

agcttcttca ctgaaagttt tctttgtgac ggaagagtan atcgatgctc tattggctcc 300

gatctgactc agatcttgga tgcatctctg tcttcgaacc caaaacaaga aaattcacaa 360

cagtccaaca gctcctcttc tcaaacatca gagcaagact tcatcanctt atca 414

<210> 7653
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G2

<400> 7653

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cttattcata ccaatatttg gtcacacgca tcagaagacc aatatctcat atttctccga 120

ccaaaccaga cccantccga ctcanacaat tgccaataaa cggcttaatc agaaaaccaa 180

acgaagaacc aaagcttggc tcttttatcc tctcagtacc tgtagtgaac aggcttgtaa 240

ggaccttcaa cgggtatgct gacatagtca gattggtcct tggtaagctt ggtgagtctt 300

gcaccangct tgcctangtg aagtgcagct accttctcat ccaagtgttt aggcaaaaca 360

tagaccttct tctcatactt cccgcttgac ttctcgttcn agagctcaag ctg 413

<210> 7654

<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G5

<400> 7654

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gtttggagaa actttggagg tgatggacaa canaaatgat caggatattg atgttagatc 180

agtggttgaa gctgtttccg ccgatctttc ctttggtgct cccctctatg tggttgagag 240

catgtgcatg cgctgccaag aaaatggaac aaccagattt ctattgacct taattcctca 300

cttcagaaag gtcttaatat ctgcatttga atgtccgcat tgcggggaaa ggaataatga 360

agttcagttc gcangcgana ttcaaccccg tggatgcctg ttacaatcta naagg 415

<210> 7655
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G7

<400> 7655

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caggaattga cgatcttaca tcccgaacac tgagagtttt atcggcaggt gaccaagtat 120

aagactttaa anactatttg nataaactaa gaanantagt gnaacgtaag aaaaaantca 180

aagaaatagt ttcaaacgct gtgtttctta tttctgaang aaataangat cttggatact 240

ttgtcgctcn cgctcttctt cgattacagt ccacancaac atacaccant aaaatggttg 300

tttggaccac aangtttcta aaagatttat acgatcttgg nccgagaaaa tttgcggtga 360

tgggagtgat gcctgtggga tgtttgccta nccatcgagc ctcattcggt ggggtat 417

<210> 7656
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G8

<400> 7656

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agggtttatg tacgagaaag atgtgacgta tatggatttc ctaaaccgag ttcgaaccgg 120

agagctaaac ctgaaatcca aaggccaatg ggatgttcca catccatggc ttaatctctt 180

cgtaccaaaa actcaaatct ccaaatttga tgatggtgtt tttaagggta ttatcctaag 240

aaatancatc actancggtc ctgttcttgt ttatcctang aatcgcaaca agtaagttta 300

actcgatatt gcaaaattta ctatntanat tttcgttttg gnatcngaaa tattcttaca 360

agctnatttt at 372

<210> 7657
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G9

<400> 7657

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nnnnnnnnnn nnnnnnncct ttttccccat caacaacaaa caaaaaataa agtcctttca 120

caacaattat atttagaaca aattcaccaa aaacccttcc acaaaaaacc tctcttcttc 180

aacaatgtcg tctcgaaacc aaagatcaag aatcacctct agtnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaatg gagcaagaac 300

aaacacgaac gtcttcaact cgaaaccaca caagaagcac aacgacgccg tttcttcttc 360

aactaaanca gttccntggg ggttctgggn aagntaattt cccggttcaa ggttcgggg 419

<210> 7658
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-H1

<400> 7658

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atgtacattt ttgagacgta tttggatctg aggcaactca ctgctctcaa gcttccaact 180

ctcccgaaaa ccttggttgg tgtaattagc caagagaagt ttgagaaatc acgagcatac 240

agtcttgaca aaagctattt tcactttgtt catgagtttg taactatact tatggactct 300

gcaatttttgt tctttgggat cttgccttgg ttttggaaga tgtctggagc tgttttaccg 360

aggttgggcc ttgatccaga gaatgaaata ctgcatactc tttcattcct tggctggtg 419

<210> 7659
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-H3

<400> 7659

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caggatgttc atgggaaatg atgatacaga gtcggattca tcccatggct atgatgatga 120

ggaggagaga aatcgcttaa tgcggaacaa atcttctgtc tcagttggtg ggatgaataa 180

ttctcatttt ccaatactca aatccagaca agatattaaa aagagcaaat ccagaaagaa 240

agatatgcag gagaatgaat tgcttgatgg acggagtgcg tacttgaaat atttaggcgt 300

atctggagaa cacatctatg cgccagggac agagaagcac tccttcaagt caaaacagaa 360

gggtaagatg cgtgacagga gtcccttaga gaacttttcc tctcganatt tgaagatg 418

<210> 7660
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-H4

<400> 7660

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gctattttat ttcaacttgt gacaggcaga acccctttta caggaaacag ccaaattcag 180

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agcttggact gcatagacct gtgtcagaag ttactgcgcc gtaatccagt ggaacgtttg 300

acatttgaag agttctttaa tcacccttтc ctttcggaca ggcagtcata tgatttctcc 360

aggaagtaag attggggtta aagaacaatg ggacggtttt ctttcgtctg gaaacagtcc 420

<210> 7661
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-H5

<400> 7661

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caattcagcg cttctgtctc attgcaaact tcttgtctgg caacaacaag gattagtttc 120

caaaagccag ctttgatttc caaccatgga aagactaatc tatccttcaa cctccgccgt 180

tcaatcccat ctcgccgcct ctctgtttct tgcgcggcaa aacaagagac gatagagaaa 240

gtgtctgcta tagttaagaa gcaactatca cttacaccgg ataaaaaagt cgttgcagaa 300

accaaatttg ctgaccttgg agcaagattc tctcgacacg gttgagatag taatgggttt 360

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<210> 7662
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-H7

<400> 7662

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ctggacttac tagtgctcac ccgatcatga ctactactga gttttggaca tcccatgagt 120

gtttgttatt gccttatgag caagcactca caagagagga ttcaacatct ggactttact 180

atgattgctc tgcgcacatg ctttgggttg gagaacgaac tcgccaactt gatggtgctc 240

atgttgagtt tctgagggga atcgctaacc ccctcggaat caangtgagt gataaaatgg 300

tccctagtga actggttaag ctgatagaga tactaaaccc tcagaacaag cctggaanga 360

ttacggttat aagtgagnaa tgggaagctg agaaatatng 400

<210> 7663
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-H8

<400> 7663

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tgagcacgcg aattgctcac cagaaggtct ggtcaagcaa gtacagaacg cgacaaggca 120

ggccggaacc gaactagcag gggagaacgc gctagaacga tatgactcaa gcgcattcgg 180

acaagtggta acaacaaata ggtcagattc tggaaatggg ttaaccgcat ttacttacct 240

aagaatgaac aagcggttat ttgagggtca aaattggcag canttagtgg agtttgttaa 300

gaacatgaag gaaggtggtc atgggaggag actctcanaa gaaganacan ctggcagtga 360

cctttatgtt ggatttgnca aaag 384

<210> 7664
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-A12

<400> 7664

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caaagaagga taaggttcca ccaccgtcat caaagccggc caaatctgga ggtggaaaac 180

agaanaagaa gaagtggagc aagggaaagc aaaaggagaa ngtgaacaac atggtgttgt 240

ttgatcaagg cacttatgac aagcttctca ctgaagctcc caagttcaag ctcatcactc 300

catcaatcct ctccnaccgt angaagatta atgggtctct tgcgangagg gcgaattagg 360

gagctaatgg gcaanaaggt ttgattaagg atggtctctg nanactcgag ccangnaggt 420

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<210> 7665
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-A5

<400> 7665

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atttacttat ttcttcctcc aaaagaaacc tcaaggtcag cctattctca agaactggcc 120

gttcctcagg atgcttccag gaatgctcca ccaaatccct cgtatctacg actggaccgt 180

cgaggtgctt gaggcgacca atctaacttt ttatttcaaa gggccatggc ttagtggaac 240

ggacatgttg ttcaccgccg atccaaggaa tattcatcac atactaaggc tcaaactttg 300

ggaattaccc taaaaggacc tgagttcaag aagatctttg atgttttggg agaaaggaat 360

cttaaccgtt gaattttgaa gttgtgggna ggagatnaag gangtcaaaa tcaaggccct 420

aattccacaa at 432

<210> 7666
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-A7

<400> 7666

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ggacgaggat tcggaggccg tggaggtcgt ggagatcgtg gagggcgtgg acgtggaggc 180

cgtggtggtc gtcgtggagg gcgtgccagt gaagaagaga aatgggttcc agtgaccaag 240

cttggtcgtc tcgtggcggc tggtcatatc aagcagatag agcagatcta tcttcattca 300

ctcccggtta aggagtacaa gatcattgat atgctcatcg gtccacattg aaggatgaag 360

taatgaaaat catgccngtt caagaaacaa aaccaagggc tggtcaaaag gactagatcn 420

aaggcctttg gttgtcnttt gga 443

<210> 7667
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-B4

<400> 7667

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agaaggtaaa gaaatcgcac ganactcttc ttcggatgat gaagatgacg tttcctctga 180

aaacccatca cctttgaaga cgactctcga cgccgtttcc gattccgaat ctggttcgga 240

tgaagaaacc ggttcagact ctgaactcga gaagnaanga agatcaagtt gtgacnaatc 300

ctgtgggatg tnaagagggc tnagaaaggg gaaaannncc gagaaatctg gggggtaaac 360

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gtnaggaang ggttcaaggg ggaaagangg acgaa 455

<210> 7668
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G12

<400> 7668

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agcacagaag atagatataa gcgttgacct tttggctgca gccaagaaac accttctctt 120

cctcggagct gttgatcgga accgttgtct ctacgatggc cctgcactcc aaagagccat 180

ctacagatac aatgcttatt ggcttccctt gcttgctcaa tacaccgagt cttcttctat 240

ctgtcaagga ccattagtcc ctcctcttga ctgtgaatgg gtttggcatt gccacaggct 300

taatccggtg aggtataaga ctgattgtga gcaattctat gggagagttc tgggacaatt 360

ctggcgntgg aacctcccgt taaaatngga 390

<210> 7669
<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-D7

<400> 7669

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attctttaca tcatatattc tttatgtttt tgtcccccctc aagatcttgt aggaggagag 180

gctttggttt caacttccat tgtttgatca aatctatttc tgttgtataa aactatattg 240

atattttgtc ttttcacttt tctcataaaa aaaaaaaaaa aagg 284

<210> 7670
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-D9

<400> 7670

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tttcttctat aaagacagtc ctcatcttca tcttatctgc aaatgcaaat tcgtctgaaa 120

cctgattatt ccttcttcat cgcctcttcc tcaacgatgg cttcgacttc ttctttggga 180

ccttctacac tactctctta cggttctcct tctcgtcagt ttcctgattt tgggttcaga 240

ttgatttcgg gtcacgaaag tgttcgaatt ccatcattcc ggcgatttcg ggttcactgc 300

gagtcaaagg aaaaagaagt gaagccgtct tctccatttc ttgaaagctc ctcgttttcg 360

ggagatgctg ctttgcgctc tantgaaatg gaangctgtt cctnataatt gggggga 416

<210> 7671
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E11

<400> 7671

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cgctataact tcatctctcc cattctcttc actcttctca anaattcgat ctttagggtt 120

tttcttttan cctcttatcg ctaatctgga gctctataga gactataaag ggtttttgat 180

tgattcggga gcncgagatt tgacttcttt natctgattc ggnangtttg tatcnanaaa 240

ggatcgattg gtgaggtcaa tantggttgg tgggttttan taatggaaga cggtgagctt 300

gatttctcca atcaggaagt gttttcgagt tcggagatgg gtgaattanc acctancant 360

tgttcgatgg aanaatttct ttgaaggggc tttaangggg a 401

<210> 7672
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E2

<400> 7672

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cttgctctgt attttnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt caccaacacc 180

aacccccttcg cctctccaaa ccacccccttc ttcaccggac ccaccgccgt cgcgccgcca 240

aacaacatcc atctctatca agcagctcct ccgcagcagc cacaaacatc tccagttcct 300

cctcatccat ctatttccca ccctccttac tctgacatga tttgcacggc gattgcagcg 360

ttaaacgaac caagatgggt caagcaagca agctatttcg aggtacatag agagaattta 420

cactgggatt cctactgntc atgggagctt tgttgacaca ccanctcaaa 470

<210> 7673
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E3

<400> 7673

antgttacct tgccgggccg gtccaaaatt aacgggtcga cgcacgcgtc cgcgacgatg 60

ctctcaatct cgcagctgcc gagtttctcg ttaaccaccg ccaaannnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctaaggt ttctaatttc 180

gtcagagcaa gttccggaat ccccaatttg gtcgcctgta gtccgacaga gattatcatc 240

cccagagtta ataacgccgg actcagaatc gaggagatag tagacgccgc gaaaggcaaa 300

attcgtcttg attcatggat ctcttctcgt atcaatggcg ttagccgagc tcgtgtacag 360

tcgagtatac gattgggact cgttaccgtc aatggtcgtg tcgttgataa ggtttcacac 420

aatgtcaaat ctggtgatga ggttaattgt acgatatcag agcttcaanc tttg 474

<210> 7674
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E5

<400> 7674

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cctgggttcc gtttagctca atccctttt aggaaagact ccgtggctcg atcctagtct 120

tggcgatcgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnntagggtt tcttacacga tatgagctaa atacgatttt gatttcaccc 240

taagctttct tctattgctt ctcgtcgttg cagggttttc ttaaatggaa acgcccggcg 300

ccagtcatga ttcatttagg ggttctcctc gtagaaactc catcctctct gcttctaaca 360

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<210> 7675
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E8

<400> 7675

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gcccttgata ttcgacgtct aaatccagca gcaattcaga acattgatga tgctgagaga 180

agtgtaacta gcgcaatggt tgctctcaca aagaagctaa cggagtccga gttcagacct 240

ctctttatta ggagtattga ttgggcagag tcagatgttg ttgacggatc agggagtgaa 300

aacaagagca tcgaccgagc tatatctttc tatggtctgg tggatcgact ctgtgagagt 360

cacaggtcca tctttgtacc gtatttcaaa tacgtgcctg gaaggnaat 409

<210> 7676
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-E9

<400> 7676

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ctctgtcaga caaaatgcag tcgtcaacgt atgcggttaa aggaaacgct gcgtttgcgt 120

ttcagagacg gaccttctct tctgacagat cgacgacttc taccggaatt cgcttcgctg 180

gttataagag cttagccacc accgggccac tctactgttc tggttctgaa gccatgggag 240

cgacgcttgc tcgtgctgat aacgggatcc agagcgttat gaagtttctc ttctgtcaaa 300

ngctcgatcg gtcagagctc aagcctcatc tgatggagat gaanaagaag ctatacctct 360

gagatctgaa gggaaaaagc tctgggaaca agntttgcct tttgtttggg gttnc 415

<210> 7677
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-F1

<400> 7677

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ccttttttta gtatgttgaa cctcattgct ttcctccgcc gtcgtctccg ccgtccccgg 120

aaagccagaa tctccgtcaa ccaccaccac ctctcagttg attcttctcc tgagactcat 180

catcatcaaa atggcttttc atcggcagcc gccatccacc caaacccgga caaaaccatc 240

acagtggcca cctttaacgc tgctatgttc tccatggctc ccgccgtccc tagcaacaag 300

ggcttgccat tccggtccaa gtctacggtt gaccgcccca agagcattct caagcccatg 360

aacgccgccg catctcctac tcacgactct agaaagcaac agaggtttgc caaatccagg 420

nc 422

<210> 7678
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-F12

<400> 7678

agttgcaagc acagtggtcc accttctgat ggacttcttg ggagatagca atgtggcttc 60

agctcttgac gtggttgttt ttgttagaga gataatagaa acaaatccca agttaagagt 120

ttcaatcatc acaaggttat tggacacgtt ctatcacatc cgagcaggaa angtctgccc 180

ttgtgcccct tggataattg gggagtattg cctatcactt tcggaagttg agagtggcat 240

ttcaactatc acgcaatgcc ttggcgaatt accattttac tctgtttctg aggagtctga 300

gccaactgan acatcaanga agattcagcc tacctcttct gccatggtgt cctccnngaa 360

agcaagtgat ccttnctgat ggaaccttag c 391

<210> 7679
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-F2

<400> 7679

gcatctgtag tcatttgtca aagataattg aacagaggct ttctatattc gtcgtcaagg 60

gtttaggaga ttctgggttt tggcgtgatt ttgaggggaa agattgaaac tttccccgtg 120

aatggtaaga cagtgagaga tgtctgggta cgtgggtgtt gtcgtttctg atccatggct 180

acagagccag ttcactcaag tcgaacttcg gactctcaat tccaagtatg tgtcggtgaa 240

gaatcagaat ggaaaggtca ctattgaaga tctccctcct ctatttgcaa agctgaaggc 300

acttagtgca acatttaagg aagacgaaat caagggtatg ctaggggaat tgggttctga 360

tacaagcact gatgtgaagt tttgaagagt ttctcaagat atatctcaac ttactaa 417

<210> 7680
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-F5

<400> 7680

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tttaaatggg taagaagaag tcagacgaga gtgctgctac cacaaaggtg aagccaagtg 120

ggaaagatgc ttcgaaagat tctaaaaaag agaaattgtc agtctcggct atgcttgcag 180

gcatggatca gaaagatgat aaaccgaaga agggctcatc atctagaacc aaggctgctc 240

cgaaatctac atcttacact gatggcatag atcttcctcc ttctgatgaa gaagacgacg 300

gtgaatctga tgaggaagag agacagaagg aagcaaggag gaagctgaag agtgaacaaa 360

ggcaccttga gatatctgtg actgataagg aacaaaagaa cgaagaggcg aaagaaag 418

<210> 7681
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-F7

<400> 7681

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ccgggaagat ctcaggactc tctcctggct tccatggatt tcatattcac tcttttggtg 180

ataccacaaa tggctgcatc tctactggac ctcacttcaa tccattaaat cgagttcacg 240

ggccaccgaa cgaggaagag cgtcatgctg gcgatttggg taacattctt gcaggatcaa 300

acggtgttgc tgaaatctta atcaaagaca aacatatacc gcttagtggg cagtattcca 360

tactcgggag ggcggttgtt gtgcatgcng attctgatga acttgggaaa ngaggg 416

<210> 7682
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-F9

<400> 7682

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cactgagcct cacaagatct cgttcactgc gaaggagatc gatgtaattg aatggaaagg 120

agacatactc gtagttggtg tgacagagaa ggacttagcc aaagacggta actcaaagtt 180

tgagaatccg atcttgagca aggtcgatgc tcacttaagt ggacttttag ctcaagtctc 240

ttccgaggaa gatttcactg ggaaacctgg tcaatcgact gttctcaggc ttccgggttt 300

aggatcaaag angaatcgct ttgatcggtc ttggacagtc tgtttccgtc tccggtggct 360

tttcatagcc ttgggnaaan cctggngctn cagttttaaa aggctt 406

<210> 7683
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-G11

<400> 7683

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tacagctgat gagcttcgaa ggattatgga ctacaaacac aacatccgta atatgtctgt 120

tattgctcat gtcgaccacg ggaaatccac tcttactgat tctttggttg ctgctgctgg 180

tatcattgcc caagaggttg ctggtgatgt tcgtatgact gatacnagag ctgatgaggc 240

tgaacgtggt ancactatca acgtccactg gtatttctct ctactacgag atgactgatg 300

aatccttgan gagtttcact gganccagag acngaaacga gtacctcatc aatcttattg 360

attcacctgg gcacgttgac ctttcctccg aagnt 395

<210> 7684
<211> 406

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-D6

<400> 7684

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acctcaaaag tctcttcaca attcttttcc taatagctat gtcttcaacc gtaacatttg 120

ccggtaaaat acccgcgatc atcgtgtttg gcgactcttc cgttgatgcc gggaacaaca 180

actatatccc anctgttgct agaagcaacn ttgagccata tggacgggac tttgttggtg 240

gaaagccgac cggacggttt tgtaacggan agattgcgac ggattttatg tcngaagcct 300

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caacaggtgt nanctttgct tctgctgcca ctggccanga caacgc 406

<210> 7685
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B12

<400> 7685

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ccgccgttcg tggtaaggag tattttggtt ttgtttcctt ttgtgagagt ttctagtctc 120

agatctgttg attctatgtt tgttttacac tttgtatttc tggttttgaa tatcaggatt 180

atgagtccgg aaagtatttc ttcagatatg atgtatttgt agcttgggtt ttttcccctt 240

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tccactaaan naaannnaan ngaaaaaagg gcggccgctc canaagat 408

<210> 7686
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-B3

<400> 7686

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atggcgttct ccctcctctc tccaattcct acctctgcct ctctttttt cactctctcc 180

gccattaccg cttctaataa tgcttcctcc tcctctctct cccgtcttta ctctttatat 240

caccccaaag gaaccttacg aaccagaacc gcgacctcgt ttttcggagc ttctgggaac 300

ttgaggattg tttccatggc ggagaatagg caattggttt gtaggattgg tggcggagcc 360

ggtgctgaat tggatgatat ggatgaangt gaaatccana ggattgggaa tgaagacgan 420

agacgacgat gaattcanac aat 443

<210> 7687
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B5

<400> 7687

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acgattctga tctcgcttgt ctgatttcaa aaacaatgag aagatagttc tgattatata 120

acacacaaac cctacttcat tccttcatca tcgtctccaa tcattaccca aagatccgtc 180

tttttcttta cttcatgtcg aagcaaacgt acaaagtgtg tttctgcttt cgccggaggt 240

ttcgttacac tgcatcggag gcaccgcgtg agatcaagac cattttcgaa aagtactcag 300

agaatggagt tatgaccgtt gatcatctcc acaggtttct gatcgatgtt caagaaacaa 360

gataaagcca ccagagaaga tgcacagtca attatcaatt ctgcatcttc ccttcntca 419

<210> 7688
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B6

<400> 7688

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gcgtcctact cagattagga ctcatgctat aaggaaagct catgagaata ttgataggac 120

tcttaaggct gctgaagtta ttttgtctca attcgatctc ctccgtcagg cagagactaa 180

agtactcaag gggccacatg aggacctgga aagttatctg gatgcaattg ctcaactcag 240

aaagattatt cgttatttta tgagcaacaa aagctttaag agtagtgatg gagttctcaa 300

ccacgcaaat agtttgcttg ctaaagcaca gtcaaagctg gaggaagagt ttaagcagtt 360

gctagcttct tacagtaaag cggtggagcc tgatngccta tttgatg 407

<210> 7689
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B7

<400> 7689

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ttgttgatgg ctggccgtac gaggaaacag agagacttag gatatcattg gagaaagaag 180

cagcaaagat cgagttgcag agccaaagct ggcctatgca gcaatccttc tctccggaaa 240

aggaaaatgg gcaaacaggt gccagaacgc atgttccaat acccaatgac ggaactgatg 300

tttgggaaat caaccttaaa cacctaaaat ttgggcataa aataacgtct ggttcttatg 360

ganatttgta naaangtaca tactgtagcc a 391

<210> 7690
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B9

<400> 7690

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tattgcagat ttaactaacc tagtctcaag tcacattcgt cgccaacacg aattggttga 120

ttcaagactc cataacttta aagatgccgt ctcttccaac aaaactttct tggacgaaca 180

tgtctctgct gttaataatc tgacgaaaga cgcaaaaaga aagtgggaga cattttccat 240

gcaagctgag aatgaagcca gagaaggtgc tgatttctcg gctgcaaaac attgtcgaat 300

ggagttactg cttcagcaat ctgtgggtca tgcggaatca gctttcaaac actgcaagat 360

aactcatgaa tctccaaagg gagatgacca attagcnatt cacaaaatgt cccttaactt 420

<210> 7691
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C10

<400> 7691

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ccgcgacgct cttttctctc tggaactgga atcgcctgat ccggacgaag gaggtgtagc 180

agacggagga gaatctgata ccgacgagga tttgcgcgac aacgatgatg ttgttatgcc 240

gggaacgaac gaagctgaag ctgaagacga cgatcccgaa gaggaagatc tcaattctcc 300

gtctacatca tcactcccca tggtttctac gatctcagcg actgctgttg tttccgggac 360

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cctgtctccg tgantccgtt gatccnattc cgaa 454

<210> 7692
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C11

<400> 7692

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atctgtgttt gtgaaccatc tgggtttgtg gaaagttcgt anctttcgag gatttatcta 180

ttggctaaaa agatggattc ttcttactcc tttgccttgg ggacaagtag ttctattttg 240

ccaaaactca gtttcaggaa tgtagagaac agattttatg gtgagaagaa caacaacaat 300

ggtttgtgta aacgttttgg atcagatttg ggctccaaga agtttaggaa tcaaaagttc 360

aagcacggtg ttgtttacgc tgttgccact tcaagataat ccaaaaaagg ntat 414

<210> 7693
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C12

<400> 7693

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tccactcgtg ccaaagcaaa cagtaatagg ttgagacttt tgagattatc tgaggctgca 180

gagaatctac gggaacaagc agctgtcaat gttcgaacag ggaaagagaa tgatgccaga 240

gatctacttc ttcagaagaa aaaagttatg caagctttgg acaaggctaa agctcgtatc 300

gagttgctcg atacgctttc ttccaaactt aacgaggcaa tatctgtcaa ngaaacacan 360

ctgataagca atatatcttt gggttncnaa gaaagatggn agagatacc 409

<210> 7694
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C5

<400> 7694

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cccgacccgt aagaatatgg agaggattaa aggtccatgg agtccagaag aagatgatct 180

gttgcagagg cttgttcaga aacatggtcc gaggaactgg tctttgatta gcaaatcaat 240

ccctggacgt tccggcaaat cttgtcgtct ccggtggtgt aaccagctat ctccggaggt 300

agagcaccgt gctttttcgc aggaagaaga cgagacgatt attcgagctc acgctcggtt 360

tggtaacaag tgggctacga tctctcgtct tctcaatgga cgaaccgata acgctatcaa 420

gaatcattgg nactcgacgc tgaaaccaaa atgcancgt 459

<210> 7695
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C6

<400> 7695

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agtagtggtg aaggtggatt tgaagaagaa gccatggcag caggaccagc cattgcacaa 120

tagatggcat ccggagatac caccagtagc anaggtcaag gctggtgagt ttttccgggt 180

agaaatgatt gatgcaatgg gaggtgttat cananacaat gactctgcaa gcgatatcaa 240

gaacctagtc ctaactacta ctcatcacct aagtgggccg attanggttg tacatgacga 300

aggtgttgca gctaaagcag gtgatcttca tgctgttgan atatgcanct tgggtcctct 360

tccaggagat gaatggggat tcactggttc gttttgtaga gnaga 405

<210> 7696
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-064-Q1-E1-C7

<400> 7696

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gttatggcat ccctaccgta ggactcttgg tttctctcgt tgtgttctat attggaacac 180

cattttacag gcataaggtt atcaaaacag acaatttggc gaaagatttg gttcaagttc 240

ctatcgcggc attcaaaaac cgaaagcttc agtgtcctga tgaccacttg gagctttatg 300

agcttgactc tcattattac aaaagcaatg gtaagcatca agttcatcac acgcccgtct 360

tcaggttctt ggataaagcg gccattaaga caagttcaag agtgccatgt acggtg 416

<210> 7697
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-C9

<400> 7697

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aaaccaaaag atcaccgcct cgactgattc atcttttctc ctgattcttg gcaggcttct 120

cttggtctaa gtgaatttgg agttatgctt ctgtcagcac ttttaacttc agtgggaatc 180

aatcttggcc tctgttttct cttcttcact ttgtattcaa tattgagaaa gcagcctagt 240

aatgtcactg tatacggtcc acgtcttgtt aaaaaagatg gcaagtctca gcagtcaaat 300

gagttcaacc tcgagaggct tttgcctact gctggttggg tcaaaagagc attggaacct 360

accaatgatg aaatcctctc caatcttggc tanaatgcct tggggcctca atcggng 417

<210> 7698
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-D12

<400> 7698

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nnnnnnnnnn ncagtccccg atttccgctt tatccgatcg gccgccgccg agattctaga 120

taaacctatg gcaatggagg ttacgcagtt gctcattaat gctcagtcga ttgatggaac 180

tgtacgtaag cacgcggaag aaagtcttaa gcagtttcag gagcaaaacc ttgcgggttt 240

cttgttgtcg cttgctggag agcttgcgaa tgatgagaag ccagtagata gcaggaaatt 300

agctggttta gtccttaaaa atgctcttga tgctaaggaa caacacagga agtatgagct 360

tgttcagaag atggttggct ctaagacatg tcaaacaaaa gtcgcaagtt aaa 413

<210> 7699
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-D4

<400> 7699

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ttttttttgtt ttcgttttca aaaacaaaat ctttgaattt tatggcaanc cgtcttctcc 120

gaacaaactt tatccggcga tcttaccgtt tacccgcttt tagcccggtg ggtcctccca 180

ccgtgactgc ttccaccgcc gtcgtcccgg agattctctc ctttggacaa caagcaccgg 240

aaccacctct tcaccaccca aaacccaccg agcaatctca cgatggtctc gatctctccg 300

atcaatgccc gtcttttctc ctctatccca acctctgatc tcctccgttc naccgccgtg 360

ttgcatgcgg cggcnaatag gtcctatggt cgacctaggg angttggtca tgaggctcna 420

aa 422

<210> 7700
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-064-Q1-E1-B11

<400> 7700

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tttcttctat aaagacagtc ctcatcttca tcttatctgc aaatgcaaat tcgtctgaaa 120

cctgattatt ccttcttcat cgcctcttcc tcaacgatgg cttcgacttc ttctttggga 180

ccttctacac tactctctta cggttctcct tctcgtcagt ttcctgattt tgggttcaga 240

ttgatttcgg gtcacgaaag tgttcgaatt ccatcattcc ggcgatttcg ggttcactgc 300

gagtcaaagg aaaaagaagt gaagccgtct tctccatttc ttgaaagctc ctcgttttcg 360

ggagatgctg ctttgcgctc tagtgaatgg aaaggtgtcc tganaatttg gaaaa 415

<210> 7701
<211> 426

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E8

<400> 7701

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tgactaatga aggtccctct gcttcggata agctcttctc ttcaacacct gttcctccac 120

agagcttcca agatatcggt ggcggtggcg gtagcagcgg taatgttgga gtgccgattc 180

cgggggcgta tggaacgcaa cagatgatgc anatgccagt ttatgcacat catatgggta 240

tgcanggata nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnggagc tggtggaaat ggtgcgtttg agtcaaatcc ttatatgatg cacgcagaat 360

aagtttggat tcatggcttc ttatccttct gttggaggtg naaacgcaaa tgagaantaa 420

ggaaag 426

<210> 7702
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E9

<400> 7702

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acgactcact tctttcagct ctctccattc ggcgctctct tctggaattg aagaatcaag 120

attagcaatg gcccatacat cagaatctgt gaatcctaga gatgtttgca ttgtgggtgt 180

tgcacgtact ccaatgggtg gctttctcgg atctctttca tctttacctg ccacaaagct 240

tggatcttta gctattgcag ctgctttgaa gagagcaaat gttgatccag ctcttgttca 300

agaagttgtc tttggcaatg ttcttagtgc taatttgggt caagctcctg ctcgtcaagc 360

tgctttaggt gcangaatcc ctaactctgt tatctgtact acagttaaca aggtttgtgc 420

atcaggcatg aaagcggtaa tgattgctgc tcaaagtatc na 462

<210> 7703
<211> 466

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-F4

<400> 7703

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actttacctg aaattaatct tttgaatccc aagcaattga ctgcctcgag ttctcagtat 120

cgtagaactc gaaactggag aattagaagt tcgtcggaag ataatgtagc aatttcgagt 180

gacggcggag atttgaagaa ttctctgtcc ggtattgtgg gaaatcaagt ggaggagcta 240

ttgagcagag aagagaacaa aggtttgctt gatggtctgg aaaaagcttc gttgagagtg 300

gagattgcga agagagagct cgaagatata gagagacaag aaattgaggc gaaattgcta 360

caggattata ttaatcagct cgaatcaaga gccgcagaga ttgcagaatg ccagcangag 420

attgacgcag caagatnaat gggttgagga agcagaacgc tccctt 466

<210> 7704
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-F5

<400> 7704

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cgaatttcga acggagctac gattccatgg cgaccaacgg agagaaggtc acggctacgg 120

tggtgaatgg cggagggcta tctactggtg aaaaccctaa gaaaattgta gacctcaaca 180

ctacggagtt agatcgtact gacgacattc tcgacggaga agtcaaggga ttttcagatt 240

ctggtgaaaa gaaggaagaa accgactcta atggtattgg atcgacggct ggtgttgatt 300

ctggggatat ctctccggtc gatgatatcc agaagaagat tcgacgtgct gagaggtttg 360

gtgtttcggt gaaattgacc gaagaggaga agcgcaattc tcgtgctgag aggtttggta 420

ctgtagctgc ancagtggtg aatggctcaa anggaacgaa gaaagcaaaa gaaattaaan 480

caaaa 485

<210> 7705
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-G3

<400> 7705

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ttagagctga gctaagaaaa atgtcaaaag aagtgagtga agaaggaaga catggcaaag 120

actacgtgga tccacctcca gctccacttc tagacatggc tgagcttaag ctctggtctt 180

tttacagagc tatcatcgca gagttcatcg ccactctcct cttcctctat gtaaccgtag 240

ctacagtcat tggccacaag aaccaaaccg gtccttgtgg cggtgttggt ttactcggca 300

ttgcgtgggc ctttggtggc atgatctttg tcctcgtcta ttgcaccgcc ggtatctccg 360

gaggtcacat taacccagct gtgacatttg gtctgttctt ggctcgtaaa gtgtcgctcc 420

ctagagcagt tgcttacatg ggtgggccaa tgtcctggga cc 462

<210> 7706
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-G4

<400> 7706

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aatggatgtc gaggagccac ttgagcagaa gacatctgtt ggaggtgggg atgacagcaa 120

tgctgcaaac gcagatatga tcaaagaaaa taatattatc gatgcaggcg actcagaaaa 180

gttgaattta gatagaagtt ctggtgatga gtctatggag gatgagccgg agacaaagca 240

atccgagtca attacatctg atgataagag tgcaaaaatt gaaatgcttt ctaaggagga 300

aagccgtgct gatatggatg cggggaaagg gaaatcccct gaaaataaaa gtcacccact 360

ggtggcttct gacaaaagaa agcttcctgc taatgatcaa gaagctgttg gaaacaatga 420

acctgcaaag angcgccgat ggnactccta ataatatt 458

<210> 7707
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H1

<400> 7707

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngctttg gatccttcgt ttcttcgtct 120

ttcgacctct ctccaaagaa gtagctttcc tcaagatttt cggtttggtg cagcttcgag 180

tgcttatcag agtgaaggag cagccaacgt tgatggaaga gaaccaagca tatgggatac 240

gtttactaaa caatatccag aaaagatttc agatggtagc aatggcgacg ttgcagacga 300

attttattac cgtttcaagg aggacgtggc acatatgaaa gaaatagggc tggactcatt 360

taggttttcg atttcttggg tccagaatac tacctcgang tacggttgcc ggangagtaa 420

atcaaggaag gaatta 436

<210> 7708
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H10

<400> 7708

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gtaacagtag gtcacagtgc tgtcattcat gggtgtactg ttgaggatga tgcttttgtt 120

ggtatgggag caacactact tgatggtgtg gtggttgaga aacatgccat ggttgctgct 180

ggttctcttg tgaaacagaa cacgcgaatc ccttctggag aggtgtgggg aggaaatcca 240

gcaaagttca tganaaagtt aacanatgaa gagatagtat acatctcaca gtcagcaaag 300

aattacatca atctcgcaca gattcacgcc tcaagagaat tcanagtcat ttgagcagat 360

cgaggttgan agagcgctta ggaagaagta tgcacgcaag ggacgangat t 411

<210> 7709
<211> 478

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H2

<400> 7709

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tagagatttg ttttgagagt gganataagg cggtggaaac tagccaggga actcaccttg 120

tttatgttca tgctggaanc aatccctttg aagttatcag acaatccgta aaggctgtgg 180

agagacacat gcagacattt catcatcgtg agaagaagaa gcttccttct ttcctanact 240

ggtttggctg gtgcacatgg gacgctttct acacagatgt gactgccgan ggtgttgatg 300

aaggccttaa aagtctttct gaangaggta cccctccgaa gtttctgatc atanncgatg 360

gttggcaaca aatannagca catagaaaga tgaaaactgc gttgttcagg aatgaacaca 420

gtttgctact angcttgttg gtatcaagga gaatgcanag tttcaggaag agttgatn 478

<210> 7710
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H5

<400> 7710

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ataatctaga aacaaagata aaaagtaatt atcgtcccta tggtatggac tttaaattca 120

gagttgcaac tggtagattc agcaatggaa tggttgcttc cgattattta gccaaataca 180

tgggagtaaa agaaattgtn ccggcatatt tagacccgaa aatacaacca tgacgatctt 240

cttacgggag tatcttttgc atcgggtggt gctggctaca atcctactac atccgaagca 300

gcgaatgcaa tcccaatgct ggaccaactg acatatttcc angactatat anagaaagta 360

nataggttaa gtaagacaag agaagagcca ntataagttg gcaggtttag angaagacca 420

atcagctaat atccaaagga gtggcaattg tcgtcggggg aagcaatgat ctgatca 477

<210> 7711
<211> 487

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H6

<400> 7711

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gtggattgat atgacgactc tctttcgccg gaagtcaatc ggaatccgcg acaacttctt 120

ccttcaatcc ctttgatttt ttttttggct ctacttatcc caaacccttc aaatcttcag 180

gtccaatctc ttcttctatt tgtttttttaa ttaaaaaaat ccggcgaaag gtgaagctct 240

tggattcgag tggtggctag taatcgattt cggtagttta gaagtagttt ataggtttta 300

tcagctttcg atttgatgga gccgcgagtc ggaaacaagt ttcggctcgg aaggaagatc 360

ggcggtggat cattcggaga gatctatctt ggtaccaata tccagacgaa tgaagaagtg 420

gctattaaac ttgaaaatgt gaaaaactaa agcatcctca attgctggta agaatcaaag 480

ttgtaca 487

<210> 7712
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-H8

<400> 7712

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atgaatctat acgcgcacga tctttctctt ctcgatttca attacaacgt ctccggtccc 120

ttcggcgagc cactatctca ncgcttcctc tctcctggcc ctttcttcca aaggngaaga 180

agacgattan cgccgttata cgagctacag tcacgacgga gctaatggga cgaaaaacgg 240

gcacagattc aagagcatct ccgccgnatc gccacgacgg gaaggtctcc gttacctctg 300

ggaatggatt ggagttctcc tcctcgtcat ttggnangaa gggacacggt ttgggccaca 360

tgatcatcga actgggttgg agttactgtg tcactgtccc ttcttgggtt gaccttccca 420

agtcaangcg tttcagattc tggccgggt 449

<210> 7713
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A10

<400> 7713

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aaacaaaaaa aacccaagat ctatagttcg atcggntcga gagaagctcg aaaatggcgc 120

tggcgttcga tgagttcggg cntccgttca ttatactgag agagcaagat cannagacnc 180

gtcttanagg aatcgatgct cagaaagcca atatcgccgc tggtaaagcc gtggctcgga 240

tncttcgatc ctctcttgga cccaaaggaa tggctaanat gcttcaaggg acctgacggg 300

agacatcanc atcacaaacg atggtgctac gatattgggc gcaaaatgga tgttgacaac 360

cangattgcg aagantaaat gggtgggaan tgtcagcgga gncagggatt 410

<210> 7714
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E6

<400> 7714

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tttaatggaa gcgagtaaca caaacgattt ggtgaaagtg gagagtccat tgaacaagag 180

aagaagattg cttattgcta ataagctaag aagaagatcg tccttgtctt ctttcagcat 240

ctacactaaa attaacccta attctatgcc gttgcttgca ttgcaagaat cnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaactag 360

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ctaaagagct gttttaacnt aacta 445

<210> 7715
<211> 405

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C11

<400> 7715

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gtggtggtga cattttcnct aaanagaaag tctccgatat gtcgnanaga tggagtanaa 120

agaagagtag acttccanta gcgggtctcc tctttattct cgttgtcacc tttatgattc 180

tcttcaacga gcgtagcatt cagcagatcc atcaccacgc cgcgagtcac actcaaaatc 240

tccgagaacc ttccacgttc gatttcgtca agcctaatgt tcctcggatt aactacttgg 300

gagctcatga ggttttggat agattcagca aatgcaactc gacgaaagag tacatgtggg 360

aataaaatcg gatgggttga cccgtttgaa agaccacncg ggtca 405

<210> 7716
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C3

<400> 7716

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gcagaggcgg gttgagccac agccgcagag agcccaagat agaccgagat acaatgacag 120

aactcgttac tctcgccgca gagaaaacac aagatgaact gtaactgaag atggtataca 180

tacacctaag ctaagccagt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nccgccacac gagggctctg tattccagtc cgttgcagtt aatggaccgg 300

gcttactttg gatattgttg aaattctaag ttttgtttct atgtaacaat tttatttaat 360

aatgtaaatt gaggtttcac tgttttagga aattactttg ggtagaagat tagttttctt 420

ttcaagaaca attcatgtgg gaaatggtaa atttaattta agtaatcctt taagaaaaa 479

<210> 7717
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C4

<400> 7717

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cggaggacag ttcataagtt acgatatctt cggtagttta ttcgagatca catctaagta 180

tcgtcctccg attataccaa ttggtcgtgg agcttaaggg atcgtttgct ctgtgttggn 240

tacggagacg aacgagctag tagcgatgaa taagatagct aatgcttttg ataatcatat 300

ggatgctaag cgtacgcttc gtgaagatca agcttcttcg tcatcttgat catgaaaaca 360

ttatagctat aagagatgtt gttccaccac cactaataag acagttcagt gatgtttata 420

tctctactga attaatggat actgatcgca tcaaatcatc agatttaacc aggggt 476

<210> 7718
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C5

<400> 7718

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ctttcccnaa nnancacaaa accatccaag ttctaaccgg cgatggcaac gctcctggct 180

ccantcncct caatacntaa ggagaaggnt ttccactggt gaagatatcg gcggagagga 240

tcgaagcagt ggatttggag aacaaaagca tgtcgtacag catcattggc ggagaaatgt 300

tggagtacta caaaaccttc aaaggaacca tcaccgttat ccctaaggat ggtggtagcc 360

ttctgaaatg gtctggtgag tttgagaaga acgcccatga gattatgatt cacatgtcaa 420

caaaggactt tgc 433

<210> 7719
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C9

<400> 7719

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ccaccattcc cagacactga cacaccaact atgagatctg cttcgtacca tatcaaacat 120

aaatctaaga cacaaaccca tcttcgtatc cttaatctca ccaggaggag aagattactg 180

aaggaacaga aggagatgga gatgaggaac ttgaagcttt tcgtagagaa tcaaagcatc 240

atacgagaga atgaagcttt aaaaaagaaa gctcttcttc tccaccatga aaacaatgct 300

ctgtttgctc tgcttcaccc aaaatactcc cctgtttcaa cctcnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaatgg 420

tactaaaata aaatcaaact a 441

<210> 7720
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-D12

<400> 7720

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agtattgagt atcactgttt attgtttaga gtttatgtgt tttgaatgga tttatctgct 120

tctgtcgcca aaaagcttta gcctttattt tttagacatg gagttctcca tggtttcgta 180

tgttaagaat tatgagttta ggccaaaatt ttttacattt ttcttagaat tcactgcagg 240

actgttatgg tcatggcgat ggaaaccttg agagaaaggt tctaccaagt atggtcctga 300

tggtgtttac tatgaangat ccactcctaa aacggtcaaa gtgaacgaca ctaagtttgg 360

gagactatgc ttgaaagttc caaagttatc atccttccat aagaaaatgt g 411

<210> 7721
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-062-Q1-E1-D2

<400> 7721

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tttncgggtt ctgtagaaaa ggagatactt caggagcagc taagatggtt aaggagatgg 120

aagagagagg gattaaaccg tcgaaagtaa catacacgat acttatcgac acatttgctc 180

gttcggataa catggagaaa gcaattcagc ttcgactatc aatggaggaa ctaggattag 240

tcccggatgt tcatacctat agtgtattga ttcatgggtt ttgcatcaaa ngtcaaatga 300

atgaagcatc naggcttttt aagtcnatgg tcgaaaagaa ttgtgaaccg aacgaggtta 360

tatacaatac gatgattctt ggttattgta aggaaggtag ttcttatagn agcattgaag 420

ttgcntaagg agatggaaga gaaanagttg gcccaaatgt tgctagctac ngatatataa 480

ttg 483

<210> 7722
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-D7

<400> 7722

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gaaaatcata atccactttt atgtgatcga gaaagagatt ctaagcccag naaacaccaa 120

aaccttccat tttcattggt tcccattttt ttttctttgt agctcgaatt ctctgctgcc 180

actactcgta agtgaaattg gagtttttaa tagatctttg gttgcttctg tagtctcaga 240

atggcagctt atgtttctcc ctgtttaact cctccggatt ctcgggtact cactgttctt 300

agaaagagtg tgttacctga tcatcatcta ggcacgaggg ttggttgctt aagaatgagt 360

gaaggtacta ctaaaagata tcgtgttgtt gcttctcata agtacgagtc ttcgtcaatc 420

agaaactctt tgaattctca tagtacaagc catttccaaa gccaagaccc ttcctgaaac 480

<210> 7723
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-D9

<400> 7723

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cgtccgaaaa catatacttt tccgacaaaa catggaagat gttaatcagg agaagaagaa 120

agtacctcca atgtctgaac cagaaagatc cacaccgatt aaggtaacaa tatcaagaat 180

ctttatctta aacttgaacc aacttttgg aacatcaaca ctacaccatg ttcttgantt 240

tagnttattg aaatcttgat aagtcnaatc ttgtgtttaa natgtttttt ttaagtngtt 300

taagagctat gtcccctcga gtccaccttc nggtgagcac aaggctttgc ntttttgttg 360

cagactacag gaggacagta tcgtttctgc aantcatgtg ttganggaag tagttgcagg 420

ccagtgng 428

<210> 7724
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E1

<400> 7724

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ctcgtgacaa acgcaatttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

tttgagatta ctttgtatcg atttagctat tcgagaaact cttgccgttt gaaagtttta 180

attgttaaag atgtcgagtt ctatggaatg ttctgagttc gtcggtagcc ggagatttac 240

tgggaagaag cctagcttct cacagacgtg tagtcgattg agtcagtatc taaaagagaa 300

cggtagcttt ggagatctga gcttaggaat ggcatgcaag cctgatgtca atggaacttt 360

aggcaactca cgtcagccga caacaaccat gagtttattc ccttgtgaag cntcnaacat 420

gggttccaag ggtcaa 436

<210> 7725
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E10

<400> 7725

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gatcgaatta gataatgcca ctccaaaaaa cgttacttta ccttacctat ctcgctgacg 120

tcagatccca ccgttagagc ttacacttgt aacgccgttt cctgcatttt ccacaagcaa 180

ggtaaaaaaa agctttgtgc agaganagag agaagaagaa aaatgggttt gcntacganc 240

aanattgaga gagaagagct aangccaggg agatcacatc tagtacttac agagcaatct 300

tcgcttattc tcaccacgga atctttgtcg gtgggtccaa agttgttcat ttcagacctg 360

nacacaaccc cangggnttc agcaanatca tcaatatcan catcttcctc tgnagatatc 420

tgttccatat ctcntgagnt gcggtttcag acaaccggg 459

<210> 7726
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E12

<400> 7726

ctgtttacgc tgnccgtacc ggtccaaaaa ttcccgggtc nacccacgcg tccgnaaaag 60

atggtgaacg ctatggtgga gagagcgacg agcgagatgc tgatcgggcc tgattgggct 120

atgaacctcg agatctgtga tatgctcaat agcgatccag cgcaagcaaa agatgttgtg 180

aaaggcatta aaaaacggat tggtancagg aatccaaaag ctcagcttct tgccttaact 240

ctgcttgaga caatagtgaa gaactgtggt gacatggttc atatgcatgt ggctgagaaa 300

ggtgttattc atgagatggt ccggatagtt aagaagaagc cggacttcca tgtcaaagag 360

aagattctgg tccttatcga tacatggcaa gaggcctttg gtggccctan ggcaagatat 420

ccaccaacaa taacagtcca tatgctcaaa atgccccaaa caaggtca 468

<210> 7727
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E2

<400> 7727

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ctagagacct ctgctgcaat ggcggggatc ataagcccta gccctacggc tctttatttc 120

accagtaatg tcggtgggag gcgactgaaa gcagtgagct gggcgggaaa gagtgtctcc 180

gggaacgtta tccgccggag aagcttgaga attgctgcgg agctgaaatt cgtgaatgca 240

gaagaagcaa aacagttaat anctgaagaa ggttactcgg tggtggatgt aagagacaag 300

actcaattcg agagagctca tataaaatct tgctcccata ttcctctctt catttacaac 360

gaagacaacg atattggcac gatcataaag aggacagtgc acaacaattt ctcagggctc 420

ttctttggtt taccttcac gaaagtgaat ccgggaattt cttaaatctg ttagaaaacc 480

agttttctca ag 492

<210> 7728
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-E5

<400> 7728

aaacttgncc gccggccggt aanggtccaa aaattcccgg gtcgacccac gcgtccgaaa 60

agcatacaat acaatgtcta ctcttgtttt attcctccaa ctttttttcca tcctaccatt 120

agcacttggg ttgaaccacc caaattgtga cctgaccaag actcaagacc aaggctctac 180

cctaagaatc ttccacatag acagcccttg ctccccccttc aaatcatcat ccccactctc 240

atgggaagcg cgtgtgctcc agacgctggc tcaagaccag gcccgtctcc agtacctgag 300

cagcctcgtc gccgggagat ctgtagtccc cattgcctca gggcgtcaaa tgttgcaaag 360

cactacatac attgtcaagg ctttgatcgg tactccggct cagccgctgc tcctagccat 420

ggacacgagc agtgacgtgg cttggattcc ttgctccggc tgcgttggct gtccttctaa 480

caagggcttt t 491

<210> 7729
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-C10

<400> 7729

aactcgtctc tcttgcactc caaaaagcaa ccatgtctgc ttttgtcggc aaatacgcag 60

atgangctga taaagacggc taagtacatt gccacaccgg gaaagggcat tttggcagca 120

gacgagagca cgggaactat tgggaaacga ttcgccagca tcaatgttga gaacattgag 180

tccaaccgcc aagctctccg tgagctcctc ttcacgtccc ctggcacttt cccttgcctc 240

tccggtgtta tcctcttcga ggaaaccctc taccaanaaa accacggatg gcaaaccctt 300

cgttgagctc ctcatggaaa acggagttat ccctggaatc aaagtggaca agggtgtggt 360

tgatctagca ngaaccaatg gcgagaccac tactcaaggt ctagattcac 410

<210> 7730
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-G10

<400> 7730

acgcgtgggc aaacaccaac gataaacctc atccaaaata ctctgacgtt aagcctgctg 60

gacatttggt gcagccaact gccccttctg aagttgtgga aagacctaag ctgaacctgc 120

ttcctcggac aaaaccactt gaaagtgtgg agaaacctgt gaatgacgaa aaactggaaa 180

atagtgcttc agtccttata caacgtgaaa atgcgacaca gaaaagtttc aacaattcaa 240

aatctggttt gtctacagat gagattccta accagccggc tgagcggccc aagttgaatc 300

tgaagcctgt ggcacagttg cttgagcagc cagaagttaa aactgaaaag gacagaagtg 360

cggtttttgg tggtgccaag accacgagaa ctggtgttga angg 404

<210> 7731
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-G12

<400> 7731

atntgttaaa tttttcttct ctcgataata aaaacaacaa atgatcgttg atcgtttttc 60

tctagattcg attccgattc naaagaacta gtctccggcg tgtaatctct gatcgttgaa 120

gatccaagct acgccgcatc ttactcgccg gcggcttgaa tcatggctga taggagaaac 180

aggtgtaacc agatcctcct tttagcatac cagagttttg gcttagtgtt tggagatttg 240

agtatttctc ctctctatgt gtataaatgt acattctacg gaggattgag acatcaccan 300

acagaagata cgatatttgg cgcgttttct ttgatatttt ggaccancac tctcctttca 360

ctcatcaagt acatggtttt tgtgtnaagt tgcagatgac aatggcggaa gggag 415

<210> 7732
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-G5

<400> 7732

acgccggncc gtaacgtgtc cananattcc cgggtcnacc cacgcgtccg gcaatactac 60

aaatggatcc tctgttttat cctcactctc tatttttttg cttccttctt tgtcgaccat 120

gatcaagatc atagatcttc tacttccata tcaaagcatc ttcttactaa ccataaacct 180

aagcttttcg cttctcgtgc catgtttgaa tctaaaatcc atgatcacaa acttgggttt 240

acctctcaac aacctaacat caanacagac gtattcaaca atttgaaaat ctacgtctat 300

gacttacctt caaagttcaa nanagactgg ttagccaagg atagatgcac caaccacctc 360

tttgccgcgg aagtggctct ccaanaaggc gtttctcagc ctccaaggan atgtanggac 420

ggaagatccg tatgaagccg tnt 443

<210> 7733
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-062-Q1-E1-A1

<400> 7733

acgcgtccgc acacacacac ataaancacg ngaaacagaa tatctttgag atctcctctt 60

tatttggaga agacaaaaca canaacaaga attanaaaga anggagagan ngcaaaaatg 120

gnactaagaa tgtgggcttc ttctacagca aacgctctca agctttcttc ttctgtttcc 180

aagtctcatc tctctccttt ctccttctct agatgcttct ccacagtttt ggagggtttg 240

aantatgcaa attcacatga ntgggttaaa catgaaggct ctgttgccac cattggcatc 300

actgcccatg ctcaggacca tttaggtgaa ntggtgtttg ttgaactgcc agaggacaat 360

acttcagtga gcaaangaga aaagctttgg ancantgggn taaatgtgna agccaaaang 420

tnanattttt ancaancaac cccaggggaa acccattttt g 461

<210> 7734
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-062-Q1-E1-A11

<400> 7734

acgcgtccgc tctgttcgtc gtttgttttt ccggtggaga aaaatggtga tggaaattgt 60

gaaaccaaac acatgcatta gaggatgttg caccaagtga atcgatccct cttcatctcc 120

cttcttcttc cttcactctt ctctccccaa tcgctaaagg atcagagagt gttgtttatg 180

aagcgattct cgatggccga agagtagcag cgaagaagcc tatcttgtct acttccgatg 240

accttgacaa gttccacagg aatttgcagc tctcatgcaa tctcaatcat cctggtgtgg 300

ctaagttact agcagcacat gcgaagcctc caaattacat gtttttcttt gacttctacg 360

agtctgggac tttagctgag aagttacacg tcgaggagtg gtctccgagt att 413

<210> 7735
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-A4

<400> 7735

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agcaggtgta gccctgaatg ttcccctgtg cctagtccaa gaatgacaag ccctggtcct 120

agctctagaa tacagagtgg tgctgttaca cctcttcatc ctcgagctgg agggtcaact 180

actgggtctc ctactagaag acttgatgat aacagacagc aaagccatcg tctgcctctc 240

ccgccgttat taatctctaa tacttgtccg ttttcaccca catattcagc agcgacatct 300

ccgtctgtcc cccgaagtcc ggcaagggca gaggctacgg ttagccctgg atcgcgatgg 360

aaaaaaggga gattgctggg gatgggaagt tttggacatg tgtatcttgg ctttaacagt 420

gaaagtgggg agatgtgtgc catgaaagan gttactctat gctcaaatga ttctaaagtc 480

aagggaagaa tgcac 495

<210> 7736
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-A8

<400> 7736

gaagagagaa accatgtctt cgccgagcaa gcgtagagaa atggatttga tgaaactgat 60

gatgagtgac tacaaggtgg agatgatcaa tgatggcatg caagagttct ttgtcgaatt 120

cagtggaccc aaagacagta tatatgaggg aggtgtgtgg aagataagag ttgaacttcc 180

tgatgcttat ccttataaat ctccatctgt tggtttcatt accaaaatat accaccctaa 240

tgtcgatgaa atgtcaggtt ctgtttgtct agatgttatt aaccaagacc tggagcccga 300

tgttcgacct ggtgaatgtg ttcgaagaca tttcttccgc aacttcttct gtatccgaat 360

ccgtcagatc cattgaatgg tgaagcagct gcattgatga tgcgtgatcg tcctacctat 420

gaacagagan t 431

<210> 7737
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-A9

<400> 7737

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agagaaacat ttcgaagaca aatggccgcc gccgctgctc gtcctctcgt caccatccaa 120

accttggatg gtgacatgtc caccgatcaa tcctccaccg tcgtacttcc cgacgtcatg 180

acggcgccag ttcgaccaga catcgttaac ttcgttcacg cccaaatctc caacaacagc 240

ngtcagccat acgccgtatc gaagaaggcc ggtcancaca cctccgccga gtcctgggga 300

accggacgtg ccgtgtctcg tatccctcgt gttcccggtg gtggtactca ccgtgctggt 360

caagctgcgt tcggtaacat gtgtcntggn ggtcgtangt tcgctccaac caagatctgg 420

ggccgctgga aacgtcgtgt caatgtaaaa tgaaacgtca cgncaatcg 469

<210> 7738
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-B1

<400> 7738

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ttctctcagg cggatctgtt tgtcggagct tttgtgaatc atcatcatca atgggtttgt 120

tggaagcttt tctcaattgg nttcgtagcc tcttcttcaa gcaanaaatg gngctttctt 180

tgataggact tcaaaatgca ngaaagacat cacttgtnaa tgttgttgca actggtggat 240

acagtgaaga catgattcct acggtcgggt ttaacatgag gaaagtaaca nnaggaaatg 300

ttacaatcaa nctatgggat cttggtggtc aaccaagatt ccgcagcatg tgggaacgtt 360

actgncgcgc tgtttctgcc attgtgtatg tagttgatgc tgcagatcct gacaacctan 420

gtttgtcnaa aagtggactc caaggaattg ttgnggaaaa att 463

<210> 7739
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-062-Q1-E1-B11

<400> 7739

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ttcctctctc cgcatctccc tttttgcatc ctcgtgtaat catcgtctaa gaagaagaag 120

aagaatcctt ttgcttgttg ctttactttc tctgcaaact ttcgtatctt tgcgtgtttg 180

agaatctctc tatctttctc ggatttggag agttatcgaa gagatcgtgt cacattaagg 240

attgaagaca agtctttaat gcagagaaat cgtgtgaaaa tggattctta agccccactt 300

ttagttgcag atctgggagc tttttactgg gtttctgcta atttatcgac aagaacaaaa 360

aaaggtttgt tttgtctcac aagtgatggt ccgtatgact cacatgcatg tccc 414

<210> 7740
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-B3

<400> 7740

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gtttatcttc ttactatgct tcttcagctc tacttttgca ctcaggattc ttaaggacct 120

ccctatgatg gagccaagaa agctagatct gaaccatgaa atgatgcctg ggatggttat 180

gctacagcca gatcatgagg tccaacctga gcacacggtc aagcctggcc atacactcca 240

gtccatgtcc ggtgtatcag aacatccaga gcacacggtt aagcctggcc atacactcca 300

gtccatgtcc ggtgcattag aacatcctga gcacaaggaa aagcctgacc ataaactcca 360

gtctatgttg ggagaacatc ctgagcacaa ngaaaagcct gaacataaac tccaagtcta 420

agttgggaan aaaatcctgg ancacaagga aa 452

<210> 7741
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-B5

<400> 7741

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accgtatgga gctgtaatca cgatgagaaa acagatgata atgataagtg tgagtgtttg 120

ggtaagatct gtatggctga tgtaatctgt tacctatcca aattcgacaa caatgttttg 180

tctctttcct ctgctttcga cgcatctgtc tctgttcttc ttcccaaatc tcgtgccctc 240

gtcgtccatg ttcaatcttc ttgcagtttg attgaagcta ttgatctgat aatcaaagga 300

gcacagaatc tgattgttcc gattcatacg aaatcaatca caaagagaag acaacaacaa 360

aaacttctga aacgaaacgt cgtcgtttca ctcaccaacg caacttcaac aacccacaaa 420

aacagccgag aattctgctg gatnacacaa gaaagacatt aatccaatcc ctccccaatn 480

caa 483

<210> 7742
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-B7

<400> 7742

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gcagcatctt tactcagact tcacttccac gactgcttcg ttcagggctg tgatgcatca 120

atcttgttgg atgatagtgc aaccataaga agtgaaaaga atgctggacc aaacaagaac 180

tccgttagag ggtttcaagt aatcgacgag atcaaagcca aacttgagca agcttgtcct 240

caaactgtct cctgcgccga cattctagct ctagctgctc gtggctcaac tatactgagt 300

ggtggaccat catgggagct tccactaggg aggagagact cgaggaccgc tagccttaat 360

ggcgcaaaca cgaacattcc tgcacctaac tcaactattc aaaatctctt aaccatgttc 420

caacgtaaag gtttgaacga agaagacctt gtttccctat caagaggaca tacnaatgg 479

<210> 7743
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-062-Q1-E1-B9

<400> 7743

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cttggtggtg aagaaatcgc aagtggttat agtgaaaccc tcaaaggcta cacctgatgt 120

ctctctttct ctctccacac tcgacaacga tccttatctc gaaaccctcg ccaaaaccat 180

ctatgtctac gctccaccat ccccaaacga ccacgtccac gatccagctt ccctttttca 240

gcaagctctc tctgacgccc ttgtctatta ctaccctctc gctggaaaac ttcaccgggg 300

atcacacgac catagactag aattgaggtg cagtcccgcg gaaggagtcc cctttgttan 360

ggcaaccgca nactgtactc tctcttccct caactatttg aaggacntgg acactgactt 420

ataccaactc gtan 434

<210> 7744
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-G1

<400> 7744

gttacgcctg ctgtaccggc cccnaaattc ccgangtcga cccacgcgtc cggttgctct 60

ggacatcaac acaagagggc ccggtaatct catgggattc gccaagaagt gcaagaaact 120

caaactgttc ttgcaagtat ccacagctta tgtgaatgga caaagacaag gaaggatcat 180

ggagaagcca ttttctatgg gagattgtat agcaacagag aacttcctcg aaggaaacag 240

aaaagcatta gatgttgata gagagatgaa gttagctctt gaagctgcta gaaaagggac 300

tcaaaatcaa gatgaggcac aagaagatga aggatctcgg tctagagcgg gcaagatcat 360

atggatggca agacacttat gttttcacca aagcaatggg tgagatgatg atcaantagc 420

actcgaggag acgtacctgt tgttattata anggcctagc gtcatcgana ggcactttac 480

aaaggatcct ttcctgggat g 501

<210> 7745
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-060-Q1-E1-C8

<400> 7745

gggtgaagtt ttgacggagt ccctgactct aaaagagaca tcaattccaa ccaaagttgc 60

tagactcatg cttgtgtctg atattcttca taatagcagt gcacgtgtta aaaatgcatc 120

tgcataccga accaaattcg aagcaactct acctgatata atggaaagct tcaatgatct 180

gtaccgaagc ataactggaa gaattactgc tgaggctcta aaagaacggg ttctcaaagt 240

actgcaagta tgggcagatt ggtttctctt ttcagacgca tacatatatg gactacgttc 300

cacatttctc cgatcaggag tctctggtgt tacctcattt cattctatct gcggtgatgc 360

acctgaaata gaagaacaaa agttacgctg acaatatgag tgatattggg aaagataaat 420

ccaagat 427

<210> 7746
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-C9

<400> 7746

tttacgcctg nttgtaccgn cccgaaaatt cccanatcna cccacgcctc cgcactgatg 60

caattcaaga ttggatcnag agagttgcgg ttattccnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatcc gcgcctttta 180

tcgangngct tggtcaattc tcttaccgtg tangcccagg gaatttctgt cnggtccatg 240

tcagcctcgt gcctgtgctt aatgttgttg gtgaacagaa aactaanccg acacagcata 300

gtgtcaangg gctacgagga ttgggcttga cgccggatat cttaacttgt aggagcacaa 360

agccacttga agataatgng aaanaaaaac tagctcagtt ttgccatgtc ccgccttgag 420

tatacctcac tctctatgat gtcccancat ttggcgtt 458

<210> 7747
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-D10

<400> 7747

ataagctgca gattctatct ttttggttgg atatgtctct gtttgaagtt atatatttat 60

agttttgaat tcataggatg tggtgatacg tttgtaatct cgtgccatat ctttggtttg 120

tcaaagagag tgtgttttaa tgtcaatttc tgggtaacca agtttgagct tattcctttt 180

gattctgccc ggctctctga nttttttaagg tgagattcct aagcatgtca attacttttt 240

ttttttttt aacattcgca attttcttga gttggtgacg ttttcgagat tttgttgatt 300

angtgcaaga cgacaagtga tgaaaagata gagacaaaag aaaggcttca agtttgttga 360

tanctgctgt ctaaagagtt cgttcccttg aganattctg actccgac 408

<210> 7748
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-D2

<400> 7748

ggtcctagtg ngagatactt atnaaggtca gtgggtgatg aacctgaaac atggacatgg 60

aatcaagcgt ttcgcgaatg gagatgtgta tgatggtgaa tggaggaggg gtttgcaaga 120

agcccaagga aagtatcagt ggagagatgg gagctattac atgggggaat ggaagaacgc 180

tacgatctgt ggcaaaggta cttttatttg gacggatggg aatagatacg acggattttg 240

ggatgacggt tttcctagag gaaacggtac tttcaaatgg gctgatggga gtttctacgt 300

tggtcattgg tctaatgatn cggaagagat gaacggtact tattatccat caggagacga 360

cgggaatcct gnattggatn ccnaaagacc ngtttaccaa atctgagtga gtacaagatc 420

tgcagccgga gaagana 437

<210> 7749
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-D4

<400> 7749

ctgttacgcc tgccggtanc ggtccanaat tcacgggtcg acccacgcgt ccggcaaatt 60

tctccgttcg agatcaattc cgtcgagatc tcaagctctc tcactcgtag taaaaaaatg 120

gcggcggtag cggcaccaat ggcttcgaag ccccgtggat ctaaagctga atcgttcgta 180

gacaacaagc ggagagaaga tatccgattc gcgaacatca actctgctcg agcagtctct 240

gacgccgtcc gtactagttt gggaccgaaa ggaatggaca agatgatttc cacggcgaac 300

ggagaggtaa tcattactaa cgatggagct acgatcctta acaagatgga ggtttttgca 360

gccaagcggc gaagatgtta gtcgagcttt ccaaatctca agattcagcc gccgggagat 420

gggtaccaca actgtcgtag taatcgccgg tgcgcttctc aaggagtgtc aatcgcttct 480

cacaaacggg atncaa 496

<210> 7750
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-D5

<400> 7750

aaaaagagaa aaaaatagtg aatcaagctg tctcgtagca gtctttatag atcaaacgat 60

aatcgaatcc aacgacccan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncaatc 180

tgatctaaag cttttgtctg aaaaaaagtg tcagactttc tatgaagatg ttgttggtca 240

atgggtgatt tttagtttgt gttaaagcag aagcataaga ttacttggtg aatcgattac 300

aattttgatt tgattcagat atttgaaggg ttcttactag aatttgaatt ggggatctng 360

aattccgatc aggcttttag agangtaggg aacattggaa ttgagatcgg ggtcaanctt 420

ttg 423

<210> 7751
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-D8

<400> 7751

acgcgtccgg aacagttgaa gatacaatac gaatgttcat cttcgcttgt ggatgtgacc 60

gagcttgaaa accaagtaga gagtctggaa gctgagctca agaagcagtc cgaagagttt 120

tcagagtctt tgtgccggat taaagaactt gaatcacaaa tggagacatt ggaagaagag 180

atggagaaac aagctcaggt attcgaggca gacattgatg ctgtcacacg tggtaaagtg 240

gagcaagagc aaagagctat ccaagccgaa gaaactctaa ggaaaacgag gtggaaaaac 300

gctagtgtag caggaaaact ccaggatgaa ttcanaagac tctctgagca gatggattca 360

atgtttacat caaatgagaa aaatgggcta tgaaagcgat gacagangct aacgaattac 420

gaatgcagaa acgtcaacta gaagaa 446

<210> 7752
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-E10

<400> 7752

ttacgcctgc ntgtaccggc ccgaaaattc ccgagtcgac ccacgcntcc gcgtcactct 60

tcttcaattc gaagaatctt ttaaacccta atcctctttc tcgcttcatt tctctcaaat 120

ctaacttcct ccctaaatta tctccgagat cgatcactag tcacaccttg aagctcccat 180

cttcgtcaac ctcagcttta agatncattt cctcttcnat ggnttcttcn ttcaancctg 240

ancaagctag agttccctct gctcttcctc tcccagctcc tccgttgacc aaattcaaca 300

tcggnttgtg tcangctatc tgttacatct gacaaaaagn gaaacatntc ncatgctaan 360

aaagccattg nagaagctgc ttctaaanga gctaagcttg ttctcttacc ccgngaattt 420

ggnaacagtc cgtattccaa tgagagtttt ccagtttaag gcgnggggga ga 472

<210> 7753
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-E2

<400> 7753

tgtttcacgt cgttcatgtc aaattcactt tgatgaccaa ggcgatggtt attgcacaag 60

cacacattgg agttgaagga gacctcgctg ttaagttggg canaagctac accgtnatgg 120

ctgaaaggtt tgtcaacctt ttggagatga tgtctacggt ctcggccaag tataagttcg 180

atgctaatgc naagataagc gctantgaga gtgctgagat tganaaatgt gtgatgaagt 240

tgaagagtgc cattaggtct tacgtgaagg tgatctctca gtgcagcacg anattctctg 300

ctgggaagag tattggtttc cccacttacc ccgttggttt cattggaggt atacctanac 360

aaggtctccg gatntgcngg taaaatttgt tggaccctca tgggcaaatt tgga 414

<210> 7754
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-E4

<400> 7754

ctgttacgcc tgccggtngc ggtccanaat tcacgggtcg acccacgcgt ccgattttta 60

tgcgatttgc actaggtggg aagaacagta cggatagatc tttgataaca gaaataatgt 120

gttgggtttc acagaatcca cctccagctc atctcttcct tatctctagt gatagcgatt 180

tcgcgaatgt gctacataga ttgaggatga ggaattacaa cattttgctc gcgtgctacg 240

aagaaacgac gcttggtgta ttgtgcagtg ctgcttcgat tatgtgggat tgggatgctt 300

tagttagagg gcaaaatcca actgctaaac attttaatca gccacctgat ggtccttatc 360

attcttggta tggtcacnat acaactcctc ttcttgaccc atttgccaca tctaccaata 420

ataagcagat atcttctact aatgtcaaaa ccgtagagtt gccccgaatt gggttcctcc 480

aaagtcccng c 491

<210> 7755
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-060-Q1-E1-E5

<400> 7755

acgcgtccga tcccaaggaa ggctcttgtg atattactct taagctacca cattctcttc 60

ctcgtatttt cccatcagat caagaaaata tggaaggtta ccatacatat cgtgggggat 120

tctggaatta cttcagcttg ggaatggatg ctcaagtatc ttatgcattt cattcccaga 180

gaaaactgca cccggaaagg tttaaaaatc agctagttaa tcagagcaca tatctaaagc 240

ttagttgcac acaaggatgg ttttttgcct ctctttttca cccttcttca caaaacatag 300

ctaagcttgc aaaaattcag atttgtgata gaaatggcca atggaatgat cttcatattc 360

cccaaagcat aaggtccata gtatgtttga atcctcctag tttttcctgg aggactaaat 420

ccttggggaa caccaaatcc 440

<210> 7756
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-E6

<400> 7756

ccngccggta caggtccaaa attcccgggt cgacccacgc gtccgcggac gcgtgggtca 60

agctcgacga agatgtcttg cttgatttca tcaacttgct cactcgtccc cttcgactcg 120

aatctgactc gttcgaatcg tttcaccaaa ctgggttctg cagtttcatg gcaatcttcc 180

tttcctaaac tctccatcga aatcggctct gttatctcat cccccattgt caagaaggta 240

aagccgtcta ctttcgtagt ccatgcacaa tctctgaggt tgtttcgtac tttctcttgc 300

gcgtatagta ttgtgcttgt ctgatttttt ttangcttaa gtgtgttctt atatgtttga 360

agctcgttgt tcagatttag gcaattgtaa tttgtggttt aaaggtaaaa atctaaggct 420

tcttctagtg aatctttatg aacatgaaan ctanganact cctaatgtga ataaaaantg 480

ttgg 484

<210> 7757
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-060-Q1-E1-E7

<400> 7757

acgcgtccgt ggatctgtta gaaatggtta tgaggatcct cttgcactct ctcccacggt 60

tgtgcgattt tattcgctta gatcgcataa ctatgttcat gttttgaggt ttagatctac 120

tgtttatatg gttagatgca gtcctcggat tgtcgctgtt ggcctcggtt cgcagatata 180

ttgttttgat gcgctaactc ttgaaaacaa attcagtgtc ctctcgtatc ctgtacctca 240

gcttggaaac caagggatat ctggggttaa tgttggatat ggtccaatgg gctgtcgggg 300

gctaagatgg ttaagcgtat gcttccaata gtcccttgtc ttctagtata ggtcgtctga 360

gccctcaaaa tgttactcct cctgggtgtc agtccaatct acctccgcca aataatggta 420

atcctggtgg gcaagatacg ctatgg 446

<210> 7758
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-E8

<400> 7758

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atacgagaga ggattcttcg agagatgagc agcacaagca ctagttctgc tcttatccac 120

catttccgcc tcaccactcg caacttgggt tcgcctacaa agcagcgttg tccttacgct 180

gtaactttct gcaattcgtg gagggaagct ggactccgat actccgtcac gcaacgccgg 240

agcaaaggct ttgggccggt gtcagctctc aatgacgacg attcaccaac agagaccacc 300

cccggcgttg gctctgctgt agaagacaga nnaccagatt catctgaaga tagatcaagt 360

tcggtctatg gagtttctgt atccccgtaa agaggagctc cctggatgac aaaagaantg 420

actattttcg accaatctcg aggagctc 448

<210> 7759
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-C7

<400> 7759

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnatccgcg ccttttatcg aggcgcttgg tcaattctct taccgtgtag gcccagggaa 180

tttctgtctg gtccatgtca gcctcgtgcc tgtgcttaat gttgttggtg aacagaaaac 240

taagccgaca cagcatagtg tcaaggggct acgaggattg ggcttgacgc cggatatctt 300

agcttgtacg agcacaaagc cacttgaaga taatgtgaaa gaaaaactag cctcagtttt 360

gccatgtccc gcttgagtat atccntcact ctctatgatg ttcccaacat ttggcgtant 420

cctttgttgc taaaagatc 439

<210> 7760
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A12

<400> 7760

ggaactgtta gcctgcctgt accgcccgaa attcccgaag tcnacccacg cntccgcaag 60

ttttccatat actaatgggg aggtttcata aatttcctct cctaggttta gttctgttcc 120

tcggtctgac cggctcactt atcgccgcca atgagtatgc ctgttctagt accgatatac 180

actttactcg tgccaatttc cctaaaggtt tcatttttgg taccgcaact gctgcttttc 240

aggttgaagg agctgtaaat gaaggatgta gaggtccaag catgtgggac gtatacacca 300

agaaattccc acataaatgt aattatcaca atgccgacgt tgctgtcgat ttctaccatc 360

gttacaagga agatatcaag ttgatgaaaa atctgaacac tgatggcttt agattttcca 420

ttgcatggcc cagaatattc ccccatggta ngatggagaa aggg 464

<210> 7761
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A3

<400> 7761

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tcttcccaat ttacgaaact tcacgaaaaa tcttcttcgg attcttctta accctnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnncattgta ggcggtttcg cgtcttgtca ccgaatgata cattgtctca cgtgagattg 240

tcagtcagtt agtgcaatgt caaaccttca ttcatctctc aatggttcag cttcgaattt 300

accagatggt tcgggcagat cgtttactgc ttcttattct ggacaatctg gtgcaccgtc 360

tccctctttt catcatactg gaaatcttca gggacttcaa aataatcaag gggaaactat 420

aatgtcggga acaatgcaaa ggtacactta catc 454

<210> 7762
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A6

<400> 7762

agaggcttcg cttacttgct gagaaaaaag ctccaaactt tctcttattg ggtttttgat 60

cagctccgga gataaaaaaa aaaagtattt tcttgaaatc gaaatctgat ctccattgag 120

agtcttgcta cttgatttgg attccgattt aaggttttct cgagaattct tttgctgcag 180

ttattagatt ttgacgagcc gttgatctgg acggagttcc agatctccgg gtcgtggtac 240

caaggaatta nggttttaag cacaaagttc tcgtttttct gtgtattcga gggatgaagg 300

agttttcggg tcnatgttcg gctgctctaa catttggncg natgaangan gaacatgaag 360

aaatttctca agaaaagcnt tcggtntcac gcgcantcaa cggagaagaa tggtgaaggt 420

tcnagt 426

<210> 7763
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A7

<400> 7763

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ctaaagttcc aagaagttag cccctgggcc acgtttggac acgtggcggc aaacggagca 120

atcttggaag cagtagacgg agaggcaaag atccacatcg ttgacataag ctccacgttt 180

tgcactcaat ggccgactct tctagaagct ttagccacaa gatcagacga cacgcctcac 240

ctaaggctaa ccacagttgt cgtggccaac aagtttgtca acgatcaaac ggcgtcgcat 300

cggatgatga aagagatcgg aaaccgaatg ggngaaattc gctagggctt atgggagttc 360

ctttcaaatt taacattatt catcacgttg ggagatttat ctgagtttga ttctcaacga 420

actcgacgtt tnaa 434

<210> 7764
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A9

<400> 7764

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tccgcttcca atggcgtctt ccgccgcttc tccttcctta tctctactct cattcacctc 120

gaagccacct tatccctccg gctctcagcg gctatttgcg tcattcagaa cggacggtct 180

tttcgcgcct ttaacactga aatcccgacg cggccgtggt atagtcgtta aagtagatga 240

cgtcgatgct gatggaggtg gagcggacga agtatgatat ggatgatgag gnggtagang 300

aagttgacaa caagaaggga ctatgatgtc gagtatgaac cccttggccg ccgcgataan 360

cggctgcaag gcggtggtgg gtgattggag atatcgcttt ggtcaanagt aa 412

<210> 7765
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B1

<400> 7765

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ggctcatgga caaggttgga ggaaagcgtg tggaggtcgc ggaaaagaaa ggcaacacat 120

actcgtggga tttactgttc gggaagaaga ctaaaacaaa ctgaagctga ttctctagaa 180

gatacacata gatgtggttg gttgagcctt agtccgtaaa tgtggttggt gtttgtttgc 240

tantttgatt gttaaataac taccaaagcg tcnaaaaatg ttttgttgcc cttgtgaggt 300

gctcantaag ttangaaaaa gatgtgatta annngagnag gcagananaa aaaggncggg 360

ccgctctaag aaggatncaa ngcttaacgg tacgcngtgc atg 403

<210> 7766
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B12

<400> 7766

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aacancgata aaaccgngna catcaagcaa acanaaaaaa aagagaagag aaattatttt 120

tttttgtttt cgttttcaaa aacanaatct ttgaatttta tggcaacccg tcttctccga 180

acaaacttta tccggcgatc ttaccgttta cccgctttta gcccggtggg tcctcccacc 240

gtgactgctt ccaccgccgt cgtcccggag attctctcct ttggncaaca agcaccggna 300

ccacctcttc accacccaaa acccaccgag caatctcacg atggtctcga tctcnccgat 360

taagcccgtc ttttctccct ctatcccaac ctctgatctc ctccgttcca ccgccgtgtt 420

gcatgcggcg gggataggtc ctatggtcga cctaggggac gtgggtc 467

<210> 7767
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B2

<400> 7767

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gaaacatggc tgaagaacaa caaaactcag atcagagcaa tggtggaaac gttattccaa 120

ctcctgaaga agttgctacg ttcctgcaca aaactgttga agaaggtgga tgggaaaaat 180

gttgggaaga agagataaca ccatgggacc aagggagagc cacacctctc attgttcatc 240

ttgtcgacac ttcctcactc ccacttggcc gtgctctggt ccccggctgt ggtggaggac 300

acgangtcgt tgccnatggc aagtcctgaa cgccttcgtt gttggatttg gtatttcccg 360

anngcgcact ccncgaaagc ctaatgagaa cttacgggct cctccaccaa n 411

<210> 7768
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B3

<400> 7768

cgtccaaaaa ttcaangggc naaaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaccgtcgt caacaactgt 120

cccttcactg tctggccagc cattcaaccc aacgccggcc accccgtcct agagaaaggt 180

ggcttcgctc tcccaacttt cactcaccgc tccttcaacg ttccaaccac acactggtcc 240

ggtcgcatct gggccagaac ctggtgtgcc cactacaacg gaaaattctc ctgcctcacc 300

ggagactgcg gaaaccgcct ggaatgcaac ggtctcggcg gggcaccacc agcttctcta 360

gctcaattcg acctccaaca cggtggtcac cacgacttct cctcttacgg gtgtctctct 420

cgttgnacgg ttacaaatgt tcnaatgaac cgtgactcct caanaaaggc aatgg 475

<210> 7769
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B6

<400> 7769

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tcactaacat aaactgctca aacaatactt ccaacataac caccttttaag cctctcaagc 120

ttcctctttt ctggccatgg caaaaggtca aaatgggtcc tttaagtgtt tctcctatgg 180

gttttgggac atgggcttgg ggtaatcagc ttctttgggg ttatcagact tccatggatg 240

atcagcttca acaagctttt gaattggctt tggaaaatgg aatcaatttg tttgatactg 300

ctgattctta tggcactggg taggcttaat ggccaaagtg agagactttt ggggaaattc 360

attaaagaat ctcaaggact taaagggaaa cnagnatgaa gtagtggtag ctacaaagtt 420

tgcagnctta accaagggag gt 442

<210> 7770
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-B7

<400> 7770

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ccgatggagc catctccaat gtgactctcc gccagtctgc cacatccggt ggaactgtta 120

catatgaggg gagatttgag attctgtctt tatcgggatc tttccatttg ctggagaaca 180

atggtcaaag aagcaggacg ggaggtctaa gcgtgtcatt atcaagtccg gatggtaatg 240

tcctcggtgg cagtgtagct ggtcttctta tagcagcatc acctgttcag attgttgttg 300

ggagtttctt accagacgga gaaaaagaac caaaacagca tgtgggacaa atgggactgt 360

cgtcacccgt attaccgcgt gtggccccaa cgcaggtgct gatgactcca agtagcccac 420

aatctcgagg cacaatgagt gagtcatctt gtggaggaag gacatggaag ccctantcat 480

ca 482

<210> 7771
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-C1

<400> 7771

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aatttctgga cttcgacgca ctacaaagag cttaaggacc cagaagaggt taatgttgtt 120

catcctcttg atgctcatag aggaatctct gttgaagatt tcagactcat taagcttcat 180

atgtctaatt atatatcgaa actggcacaa cacattaaga ttaggcaaag agttgttgca 240

actgcantaa cctatatgcg tcgtgtttac acaagaagag tttgacggaa tatgagcctc 300

ggcttgttgc tcctacatgc ttgtanttgg cntgccagag caggaagnag agtgtgggtg 360

catgccaaaa cntccttgtc gtcctacatg aaaaaacttt atggcgggtg annaagtttt 420

cnatnagagn attaacggnt ntcctngnaa tnggngaatg aanggccttg ggaaa 475

<210> 7772
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-C2

<400> 7772

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gacactcgaa gaacaacaat gatcttgcgt atttcactta cgacgagaag aagaagttag 120

gttatggaac tcagagagag agattgggga gagactcgat caaacccttt gatgcttgtt 180

ctctctgctt gaagcctttc attgatccga tgtgttgcca taagggtcat gtcttttgca 240

gagagtgtat acttgaatgt ttccttgctc agaagaaaga tatccaaagg aggcttgctg 300

cacattcgtc tcanaagaag caagataagg atgnagaaga agagaggcta atgttacaaa 360

aaggcgagag aactccaana aattggntaa gcaaaaacca tagttgcaat ggcctccaa 419

<210> 7773
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-C3

<400> 7773

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actctatgga atctgaagat tcatcgggtg aagtatacga aaccgggtgt aatgaaatta 120

cttatgcaat tgaggaggat gaagaagatt tttcagagag ggaatatgtc gaaaatgtgg 180

agaatttctc taacataacc tctactcctc tacggtcaca gccagaaaga atgcagaaat 240

tggagtctcg agcaaaaaca caatgtgtgt ttgaagatga ggatctgagt agtgacagtg 300

acaacaaacn tccagaagct gagacttcan aagaaggaaa tggtttggga naaggtcatg 360

ttgtatccaa cctantcgag tctttgaaaa gnaaacccc 399

<210> 7774
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-A1

<400> 7774

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ctggcccgtg acaacgatcg ctacacgaag cttatcatag aggaaggang tgtggtgcct 180

ctccttaaac tgctcaagga agggaagccc gaggggcaag agaacgcagc gcgtgcgtta 240

gggttactgg gacgtgatcc tgagaacgtg gagcacatga ttcacggcgg cgcttgttcc 300

gtcttcggga aattcctcaa aagaanggcc tatgaaagtc caaggcnggt ggtttgcntg 360

ggctacgtcc ggagcttgtg tccaatcacc ccnaagntgc caannacgtc ttcggctcaa 420

agaanaacgg caat 434

<210> 7775
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-E12

<400> 7775

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atcaagcctt gaaggttatg tgaaaatagt gagagatgtt cctgatgaga taatgactcg 120

ttttagttac aatgtttcaa gtattcctac tattcgtgtt caagcttggg ctactgtgaa 180

ctactataac ggggaagttt atccggtttt aaaggaacat ggggttattc ggataactcc 240

tttcgcaaat agattggcga tgagtgttcc accgtatata caacttttga ggtgcatagc 300

taattacaaa gcattgaagt tttcttcacc tatatcaaca ctagctgaga agttagtcga 360

tcggatggtt gagaaaagct ccgcgaaccg gagggaaagt atgtcccggg nc 412

<210> 7776
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-E7

<400> 7776

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tacatgctgg nctgagccga ttgtttccgt gcaatccttg tcccaaaccg gtgtaccaac 120

tgtaccaaac cgctatgtga agccggctca tcagagaccg gtctttaaca ccacccaatc 180

cgatgctggg atagaaatcc ctgttctaga catgaacgac gtttgggggа aaccagaggg 240

gctaaggctc gtgangaacg cgtgtgagga gtggggtttc ttccaaatgg tganccatgg 300

ggtgacccac tcgttggatg ggagagagtg agaagagcgt ggcgaaaagn tcttcgancc 360

aacggctnga gggaaaaacg g 381

<210> 7777
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-E8

<400> 7777

gggcaatgtt aatggttttt ctcctggtga ttgggtcatt ccatctccac cttcttcagg 60

gacttggcag acttatgttg tgaaggaaga gagtgtgtgg cacaaaatcg ataaagagtg 120

tccaatggag tatgcagcga cgattactgt taatccattg acggctttga ggatgcttga 180

ggactttgtg aacttgaatt ctggggattc tgttgtacag aatggtgcaa caagtattgt 240

gggtcagtgt gtcattcagt tggcangact ccgtggcatc agtaccatca accttattcg 300

tgacanggct ggggtcggan gaaagc 326

<210> 7778
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-F10

<400> 7778

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gatctcaaca actgatctcg ctcagcatac tcttgaacag gtggaaccca tccgcaattt 180

ttttgcagca ctgttccttg ctagtatcgg catgttgata catatgcact tcttgtggaa 240

ccatgttgac attctgctag cagctgtgtt actggtgata gtgataaaga cggtggtant 300

tgctatcgtt gttaaagtct ttgggataca ataacaaaac tgcagtactt gttggtatgt 360

cccttgcaca gattgnggga aattgctttt ggttctgcca aantcgaaca atc 413

<210> 7779
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-F11

<400> 7779

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gcgattccca tcgcgannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nacgtctctt gggactttca 180

cgaagcttcg ttagctctcc gatggcgact gctctcactt ctgatcgtaa tctccatcag 240

gaggatcgag ccatgcctca gcttcttact gagtttatgg tggatatgac atgtgagggt 300

tgtgttaatg ctgtgaagaa canattagaa accattgaag gtattgagaa agtggaagtg 360

gaatttgtcc aaatcaaagt tgtaaggata cnttggattc ttcccngggt taag 414

<210> 7780
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-F3

<400> 7780

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ttttttagca atggcgaaaa tgattcctag cctcgtctct ctaattctta tcggtcttgt 120

tgcgatcgcc tccgccgcag ttattttcga ggagcgcttt gatgatggct gggagaacag 180

atgggttaaa tctgagtgga agaaggatga taacactgct ggggagtgga agcacactgc 240

gggaaattgg tctggtgacg ctaacgataa aggtatccag accagtgaag actacagatt 300

cctacgccaa tttcaagcct ggagttcccc tgaaattcaa gttancaaag ggacaaagaa 360

ccttaagtcc ttccaaattc ctcaagtcaa agcaacgaag caaaaagcct tgaactgccn 420

ggtgggtngg ctaacaatng aaanctacta aagttggtga tgtttgacca aaaangaaaa 480

ttttgggtgg angacacacc aatacaagta tcaatgtttg ggtccc 526

<210> 7781
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-F4

<400> 7781

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cgcgtcangc tttcactcgc cattattgtt cnctcttctt cntcttctta ttctctggat 120

ctctccttct cactctcttc tttctacagt tatttcgctt tagcagatta cttaaatcca 180

cngtttcttc ttctccggga gcatttatgg cgtcagcggt gacggngtca ggcaaggtgg 240

agaaaggaca tcagctatat anagacggca agtataagga ggcgcttctc ttcnatacgg 300

angctcttac tgctgctaaa agctnaaacc acaggaanat cgctcttcac aancaaaccg 360

gcgcccgctt tgttaacttt gaaatttgca cgnatttcat taagnggnaa gcangaaaga 420

atgcaacttn gtgttcnttg agccttgatc aagaaacata accggagcgt tgaangctga 480

agggntcaag actttangtc cctccctaaa a 511

<210> 7782
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-F9

<400> 7782

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taccttctc ttatggggca acgagactga ctagtaaagc ttcattagcc tcaagaactt 120

ccggattcaa tctctcttct cgttggaact caacgagaaa ctcccctatg ttgtatcttt 180

cgagagcagt gacaaacaac agtggcacca cagagatttc tgataatgaa acagctccaa 240

ggacttactc atggcctgat aacaagaggc caagggtgtg cattctaggt ggtggctttg 300

gaggattgta cacaagcttt gagattagaa tctcttgttt ggcctgaaga caaaaagcct 360

cangtggttt tggttgaaca atccgaacgt tttgtgttca ancc 404

<210> 7783
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-G1

<400> 7783

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ggaacaatgg cttcctctat gctctcttcc gctactatgg ttgcctctcc ggctcaggcc 120

actatggtcg ctcctttcaa cggacttaag tcctccgctg ccttcccagc cacccgcaag 180

gntaacaacn acattacttc catcacaatc aacggcggaa gagttaactg catgcaggtg 240

tggcctccga ttggganaga agaagtttga gactctctct tacctttctg aaccttaagc 300

gattcngaat tnggctaang ggaagtngac taacttatcc gcaacaangt ggantccctt 360

ggngttggaa tttcgagttt ggggncacgg gttttgttgt tancggtgag ccacgggtaa 420

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gtttcgggtt ncc 493

<210> 7784
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-G10

<400> 7784

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atcccaaccg aaacagcttc tagagagaga caaaaaagaa cagagtaact atctaaaact 120

caaaatgtgt gcacttgtcc ctccattata tcccaatttc ggctggcctt gcggagatca 180

tagcttctat gaaaccgacg acgtatccaa cacgtttctt gattttccgt tgccggactt 240

gacggtgact catgagaatg tgtcgtctga gaataacaga acattactag acaatcccgt 300

ggtgatgang aagcttaatc acaacgcgag tgaangtgaa gcgtcgcaag aangatcaac 360

acgatgttct catctcctcg ntc 383

<210> 7785
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-G2

<400> 7785

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ggtactggcc aactagtatc gctggaaatg gcggttgtac agaatcatgc gactatagag 120

gttcttaccg tgcaaacaaa tgcctcaaga actgtggaaa accttcacag acattgtatc 180

atgtacctcg ctcgtggcta aaaccgagcg ggaacatact tgttctgttt gaggagatgg 240

gaggagatcc aacacaaata tcatttgcga caaaacaaac aggaagcaat ctttgtctaa 300

cggtgtcaca gtctcatcca ccaccggtgg acacattgga cttccgactc aaagatctca 360

aagcagaaac angaaccaag gccggttctt tccgtttgaa aatgccctaa cctcctaact 420

cagggtgata ttttccnata aaaatttngc aangctttgg gtacncccca aagggta 477

<210> 7786
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-G5

<400> 7786

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gaggtgcgat cttcaaccga agagaacgag aatgtgcgat cttcaaccga agagaacgag 120

tatgtgcgat cttccaccga agctggtagg ggagaagatc ctcacgagga ttccgataac 180

atctctgaga gcggtgcgat ccacttgcaa attatggaac gctttaacca aagatcgggt 240

tctgggtaaa gcancggcgc aagtttttgg ggtttaagac gatggattca aaggtctgtt 300

cagttagatt ccaactccgt cgcaacaagg gagggaagaa gaaagacacc atgggttcna 360

tcctataaag caagnaagat tttgccttaa accaagtccn agaataac 408

<210> 7787
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-G9

<400> 7787

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tgggaaatat ggagagatca ctgattctgt gattatgaag gataggaaaa ctggacagcc 120

tcggggattt gggtttgtca catatgctga ttcctctgtg gtcgacaaag ttatccaaga 180

caatcacatt ataattggca agcaggttga aattaagcgg acggtaccat ccttatggaa 240

ggtagagagt tcgatgaaag cttgaatctt cttcttactt gttgtgtcat gcttagcatc 300

atgtatggtt atcaagattg atagctagtc attgtatttt gagagatgag gcttttangg 360

ctttgattcc cctgagtaat ttaaatcaat acatttttta naata 405

<210> 7788
<211> 385

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-H12

<400> 7788

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gatctctctg ttgttctcat tagcctttgt tttagccctc ggctcagtgt tcctttccgt 120

ttccggtcac gctcctcccg tgacaccgag aaaatcagca tgtccaaaaa cagtatccga 180

actccagacc ttacctttta ccgaaatcac tgagatccna aaccgaaaag agcggtctgc 240

cccgaaaacc cctgagttca aggcaatgtt cacaatgtgc aaaggctacg tgacatacct 300

cgagagcctc tacaagtttg agaatcccat tgtagatgtt ttaagaattg ccaagaccan 360

atacaccctg gatgaacnaa tggca 385

<210> 7789
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-H3

<400> 7789

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gcggttaagg tagtcctagt gatggaatca gtagcggatg agcttgttga gaaagtgaaa 120

gctaaagtgg ccaaactcac ggtgggaccg cccgaagaga actccgatat cacggcagtg 180

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gcaacgtttt gtcaagagta taaaanagag ggtaacttga tttggccgtt gcttttggat 300

aatgttagac cggacatgan gatcgcgtgg gaggaaccat tcgggtcctg ttgtgccggt 360

cntgaaggat caattctgtt gaagaangga ttaatcattg caatgcaagc aactttggcc 420

ttcagggatg tgtattcact aaagncatca acaanggcaa tactgntcag tgggtccaat 480

gggggaac 488

<210> 7790
<211> 393

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-E10

<400> 7790

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ttaagatatt ttttttatct aatgaacctg aaattgtaat taggcatata attggggatt 120

atttgctgaa attctcattt ctagatcgaa aaaagcgaat aattcgtttt catttgattc 180

ttgcctaatc ttagggtgtc tttatttatc taccaaaaga atgtctaatt atcgaggaga 240

tgatgctgag tacatggaag acgtanatga tgagatggaa gatgttgaag atgatatgga 300

tgaggagttt ccgtggtgat gatcttggtg cttcagattc tgacgttgan gaatttgact 360

attcgaacaa tnaagtagct ganaacacgg ctg 393

<210> 7791
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-G5

<400> 7791

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tatatcttct cctcaacttg gatatgggtg aagccgtaga ggtcatgttc ggaaatgggt 120

tcccggagat tcacaaagcc acatcaccca ctcaaaccct ccactctaac cagcaagact 180

gccattggta tgaagaaacc atcgatgatg atctcaagtg gtcttttgcc ctcaacagtg 240

ttctccatca aggaactagt gagtaccaaa gatattgctc tgttggacac caaaacgttt 300

tggaaaggtg ctgtgaantg atgggaaaat gcaanagtgc tgagagagat gagtttaant 360

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<210> 7792
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-G6

<400> 7792

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

ngtttctcct ccgggaatgc atccaccatc ancacgattc tctcctccca ctatggagga 240

aaccaagaga gtatcttaag ccagattttg tctccggnga ggctaatgaa tcctacttac 300

aatcatctcg cgngatctca naagtnatac nganacanac agcaacatga gcttgttgan 360

ctaatgggag gatttgngtc aaagacttga nggncaatcc acatgggaag cttccnggtg 420

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<210> 7793
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-A12

<400> 7793

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ctcgccgaac aagcagagcg ttacgaagaa atggttgaat tcatgganaa agtcgcgaaa 180

gctgttgaca aagacnaact caccgtcgaa gaacgtaatc tcctctccgt cgcttacaaa 240

aacgtcatcg gagctcgtcg tgcttcgtgg agaatcattt catcgatcga acaaaaggag 300

gagtctcgcg gtaacgatga ccacgtttcg ttgatccgtg actacaagaa gnanantcga 360

aaacggaact ttctgatanc tgtgacggaa tccttaaagc ttctcgataa g 411

<210> 7794
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-A2

<400> 7794

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gagcagaact tgatgattac acacagtttg gtgtaaattt gcagactgat caagaggata 180

cctttccaga ttttgtgtca tatggtgtga atttgcagca ggagccagat gaagtcttta 240

gtattggagc ttctcaattg gatttgtcct cgtataatgg agttttgtcg ctagagccag 300

aacaggtggg gcaacaagat tgtgaanttg tgcaggaaga agaagtagag atcaattctg 360

ggtcatcctg gtggagctgt taaagggaag ancaagnaca tttagatgac gattgctcca 420

aaaaacgggc aaaggactgg atcgtgtnac aagaggaagg aaggaactaa anccntgccc 480

tgaaaaggtt aaggaaggga aaac 504

<210> 7795
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-A8

<400> 7795

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ctctcctcat ggctggccat accagtgcct catggtgtgt gtgcaaaaca gggctgagtg 120

actcagtgct acaaaagaca ttagactatg cttgtggaaa tggagctgac tgtaacccaa 180

ctcacccaaa aggctcttgc ttcaatcctg acaatgttag ggctcattgc aactatgcag 240

tcaatagctt cttccaaaag aaaggtcaag cttctgagtc ttgtaacttc actgggtact 300

gccactctta ccaccaccga ttccagctat acaggatgtg cattccttct agtgctaatg 360

gttctagtgg aagcggtanc aacaacgtga cgccaaggca aaaacagtcc aaaaggaagc 420

aacacatcaa caacatttcc cgggng 446

<210> 7796
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-058-Q1-E1-B11

<400> 7796

acgcgtccgc tcgaacaaac aaattataaa cccattttcc ttcataaatt tctaaaataa 60

aaccccttaa actttcattc acatcatcca acccccaatg ggtcgaatct tgaaccgtac 120

cgtgttaatg actcttctag tcgtaacaat ggccggaaca gcattctccg gtagcttcaa 180

cgaagagttt gacttaactt ggggtgaaca cagaggcaaa atcttcagtg gaggaaaaat 240

gttgtcactc tcactagacc gggtttccgg gtcgggtttt aaatccaaga aagaatattt 300

gttcggaaga atcgacatgc agcttaaact cgtcgccggt aactccgctg gaaccgtcac 360

tgcctactac ttgtcatcgg aaggaccaac acacgacgag atagactttg agt 413

<210> 7797
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-B12

<400> 7797

gactctaaag acactgatct gtctcctaaa gatcgtatca tcattgtagc caatgaatta 60

cctatacgag ctcagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn aaggttggaa cttttcttgg gatgagaatt cacttcttct ccaattgaaa 180

gatgggttag gagatgaagc tattgaagtt atctatgttg gttgtttgaa agaagagatt 240

cctcttaatg agcaagaaga agtgtatcag attcttcttg agagtttcaa gtgtgtgcct 300

acgtttttgc ctttggattt gtacactaag atactaccat ggattctgta agcaacagct 360

ttggcctttg tttcattaca tgttgccact ttctcctgat cttggag 407

<210> 7798
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-B2

<400> 7798

aactgttacc ctnccgtagn ctccaaaatt ccaaggtcna cccacgcgtc cgcccacgcg 60

tccggcggag aagattgttt tcctctggaa tgattccgat ggatttgctg caaccatttc 120

tgatacttta aaccctagcc ctagttcccc tcttcgcaaa ctagaagaac agatccagct 180

tccgttggat aagtatggcg ttgaaggtgt ggaaaccggc gggagtatcg ttcatttcgt 240

agatgaaaat gaagtttatc aggtctcgat ttttcttccn tcgaagttat gagcctccag 300

tactagtgtg tgctatgaat gaactgctgg acctaattac aaggggatcg tcaactccta 360

cccacaatca tagctccttt ctttgtggcg ggatctaaag ctcaagttca aataacaaat 420

tccntggaaa gcaaataacc agannangcc aagtcctcaa tacgttcaaa gttngctac 479

<210> 7799
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-B8

<400> 7799

acgcgtccga aaaaattgtg tgtggactct ttctctcttc tttgctggtt ttgaggagaa 60

tcgtgtcggc taaatttgtg tcagacacac cacactctga ttgcaaagtc ttcctcttct 120

tcttccacca gagacaattc catcatcatc atcaaataga caagggaaga attcaatttc 180

ccctttcttt attggcgcga agatctttca cagaatcaat caccaacgaa aaatcgagaa 240

tggatgtttg cttgagctat ttcatataat atggatgatg agattgctaa agttcatcaa 300

gaaagagtgg atccaacaaa ggttgtgatt gataacgaaa gtcctgcaaa agatgttact 360

ggtcaataaa ggtgggataa ttgcaaataa accatgggaa tacttctggg aaggttgttc 420

aaagttttga ctgaacttaa tccggactaa ttaagaaaag n 461

<210> 7800
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-C2

<400> 7800

tagcctccaa aattccangg tcnacccacg cgtccgcgga cgcgtgggtg cagatcgagc 60

tagtaatgag aagaaggtga agagttcata ctttgatttg ccacctatgg aaatgtctgt 120

agcatttcct caagcaactc cagcctctac atttccacct tgtacttcaa gactattatc 180

atttcaatga tctactgact ccggaagaac aagctatccg gaagaaagtg agggaatgca 240

tggagaaaga agttgctcca ataatgacag agtactgggg aanaaagcag attttcaatt 300

ccatatcact cccaaagcct tgggggggcta tgggttgttt gctggtggct ccgattcaag 360

ggtttaaggg atgttcctgg ggcccctcca atcaccggnc aaatgcaaat tgccaacagc 420

aagaaatagc ntagaagtng attncaagtt gttcgncttt cattttggng cattcttctt 480

tgggcaagcc ncacaattgg 500

<210> 7801
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-C5

<400> 7801

cgatcgtgtg agccggtcaa accctgggtc atggcttata ctgcgtcccg gagactgtac 60

ctggagaccg tggggaagac ttgaagcatg gcgggaacgc ggtggagcca ctgatggtct 120

angttacaga ttcgaactca tcccagacgg atcaagcggt gcaggaatcg tgcttgcgga 180

atcaaccata agttctcaca gaggtgggaa attctcaatc gagttgggat cgtcgccttc 240

ttcatcgtcg ccaacaagtg tggtgaaccg atcgagaagc cgtagaggtg ggagtagtgg 300

aagcggtgga ggagcatcgc cggcgaatag tccgaganga nggaacggag attacggtta 360

cggattgtgg ccgtggaact gtncaaagg 389

<210> 7802
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-C8

<400> 7802

gccgcncggt aacggtccaa aattcccggg tcgacccacg cgtccgaatc gatctgggtt 60

cattggattc attacacaaa ccggagagac atgtcggaga aagagcaccc tcggctaatt 120

ctacacaatt tcctgtcgcc ggcagaatgc aaggttgtcc ctttttgct taattttgtg 180

tctaatcatg tgggtttggt taattttgag gtaaaaacag gaacttgagc ttatacacaa 240

gagtagcagt acaattgggt acagaccaaa tgtcttctcc actactctct ctcacctcat 300

tgccactaat tctcctcacc tcatcatccc ttttgtctcc attagagaga ggttgaaaga 360

gaagatagag gaaacatttg ggtgtgagta tgagcttttt attgaattca caggtttgat 420

tagttggtgc aaaggganct aacaatggtt ggcaaaatga tgataacaag ttaataccaa 480

a 481

<210> 7803
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-G4

<400> 7803

ccaaggtcna cccacgcgtc cgcactgctg cagttacaga agatggtgac ctctatggat 60

ggggctgggg aagatacgga aatttgggat taggtgaccg gactgaccgc ttagttcctg 120

aaagagttac ctctactggt ggtgangaaa atgtcaatgg ttgcttgtgg atggcggcac 180

acaatatcag gtttcctact ctggagcatt gtatacttat ggatggagca aatatggaca 240

gctaggacat gganacttgg anggatcacc ttattcctca caanactggn agcactgagc 300

aacagtttta tctcccaaga tttcggggag gttgggagac atacaatggg cattgacttc 360

ngatgggaaa accaatatgg atgnggttng ggaataagtt tggaccannt cggagtcccg 420

caataaattt agattngtgt tcccctgtgc naattccgaa ttcccc 466

<210> 7804
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-058-Q1-E1-D10

<400> 7804

acgcgtgggg gagcgtatca gtaaaataat ccgagagaag aagcaagaaa gggatatcaa 60

gaggaagcag atatattatt tgaaaattga agaagaaagg attaggaagc tgcaggaaga 120

agaggaagct cgcaagcagc agcagtctcc gcaaatgttt ccgatggttc cgtcgattcc 180

ccctgctaac aacatcagca agctatgcaa ggacacatgg ggattagacc aatgggtatg 240

accaacaacg ggatgcagca tgcgatgcaa caaccaagaa accggtcttg gaggaaacgt 300

ggggcttaga ggaggaaagc aagatggagc agatggacaa ggaaaagatg atggcaagtg 360

aaaaggatcc aaagaagctt tgttttgttg atatttagac tgttaatccc c 411

<210> 7805
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-D2

<400> 7805

aacgttagcc gttcgtagcc tccanaaatt ccanggtcga cccacgcgtc cgatcacctt 60

cgctagctag tgtactgagt tcaatgaaga tacatgccat attggtagta gcgttcttgg 120

tcctgatgaa gaccgccgtt tcccaggaca ataatccgct ggaacattgc agagacgtgt 180

tcgtgagttt catgccctgc atgggcttcg tcgagggaat atttcaacaa ccttctccag 240

attgctgcag aggcgtgacc cacttgaaca acgtcgtcaa gtttacgtct ccaaggatcg 300

aggaatangc agggatagtg gagaaacaag aanagagtgt gtcctgtgca ttgagataat 360

gggaaattgc aaatcaacct ccttttcctc ccggccggct aataatnanc ttcctccccc 420

gttggtcccc ttaatcctca aagcttttcc aatcctcccg ttggaaaatg gaccggttcn 480

caag 484

<210> 7806
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-B2

<400> 7806

ctgttacgcc tngcccgtac cgcgtccgga atcccnaggt cgacccacgc gtccgtttca 60

ttggagggct cagcagacaa accttgagta tctattgatg ttggatgttg atggtttggc 120

ctggagcttc cgtanagaan ctggtcttga tgcacctgga gattactatg gaggatggga 180

gagaccagat agtgaactcc gtggccattt tgtcggtcac tatttgagtg caacagctta 240

tatgtgggct aagtactcat aatgatactc tcaaggagaa aatgtcagct cttgtctcag 300

ctctatcgga atgccaacan aagtctggca caggatatct ctctgccttt ccttccaatt 360

ttttcgaccg ctttgaaact ataacacctg tttgggctcc ttactacacc attcacaaag 420

attttagctg gtcnggttga tcaatacaag ttggctggga acagtcaagc ctttaaagaa 480

ggcaaccggg aanggctgaa ttat 504

<210> 7807
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-B3

<400> 7807

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gcatggtggt taatcagaag atatccggcc ttgcatccgc tatgaacgcc aaaatcatcg 120

gttcaggaga gagatcgatg gtcttggcac acggtttcgg aggcgaccaa gtcggtttgg 180

gataaaataa taccggtctt gtcccaatcc ttcaaagttt tggtctttga ctggcttttc 240

tctggagcca ttaaagatca aactctctat gacccttcaa agtataactc cttagacgtc 300

ttctctgacg atctcattgc tcttatggag gagttgaagt ttggccctgt cgtgttcgta 360

ggccattcca tgtcgggggt gatcggttgt gctgcctcta ttaaaagggc cgacttgttt 420

acaaatcttc tccttaattg gctgcntctc caaggtaata tagacaagtg agggattaca 480

aanggaaggg ttgagtcaaa 500

<210> 7808
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-B6

<400> 7808

ttgggtttta gccagcagca ggtcacgatc cttggcgttg cttgtgattt gggtgaaaac 60

atgggtcttc ttcctggata cgccagtaac aagcttcctc catggtcgat gcttctcatc 120

ggagcttcct cttgtttcct cggcttcggc gttctttggc tctccgtcag ccaaatcgtt 180

cttggcttgc ctttttggct gcttttttgta gctctagctt tagctaccaa tagcaactcc 240

gtggttcggt acagcatctc ttgtcaccaa atatgaggaa ttttcctaag ancccgaagg 300

cctgtgggtg ggacttccca aagggtaaaa tgggatnaag ttgggtgcaa caattcactg 360

tccttgttca agcaatgggt gcntcaacca ttcaacctat gggattcngc ttccngtntc 420

cttaccggnt gggaattccg ggttaaaagg ccttaaacn 459

<210> 7809
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-B7

<400> 7809

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gataaaaaat gtcgctcgtg agaagatttc aaacagttcg ttctttattg aaaacagctg 120

gntcaagaga atcttcttct cttccattta ggaatgngaa atgagttctc tttgattcaa 180

attggagatg atttcagatt tggttgttgg agaagctatc attcntcnct ttgtcacgtt 240

cctgaagctc atggaaaaag tgcgtattca cgtttanatg aacggcacag cgtcaanaca 300

catttgcttc gatctacaac gantgcagag tttttgccgt ttaatgaatg aanaanaggn 360

ctgcnacaac tcaaagttaa ggctccancc tcaagctaca gaaaacgggt gcnggtnaga 420

ngtgtcnatg ggtaagtcct ggnatttgta 450

<210> 7810
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-C5

<400> 7810

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tcgtttcacc aaactgggtt ctgcagtttc atggcaatct tcctttccta aactctccat 180

cgaaatcggc tctgttatct catcccccat tgtcaagaag gattcttttg tgcaagctgc 240

gtggactcga agatcacgag gtgaagcagc gaaaagaccc aacaggaagt catggaaaca 300

gagaacggac atgtacatga ggcctttcct tctgaatgtg ttcttctcca ggaaattcat 360

acacgctaaa gtgatgcata ggccaacaag caaagtcatt tcagttgcca ccacaaatgc 420

taagagatat aaggactaat ataccgtctc ttgttgataa cgaagcgtgt agactcatcg 480

gtaagctcat aact 494

<210> 7811
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-D1

<400> 7811

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agccctttct tttacaagtt gttctccaat ggaatgaggg aatctgagca aaggcatgtc 120

acccttagga ttaatgcatc agaggaagct gctttgatgg agcttttaaa ctttatgtat 180

aagcaatgcg gtatctgtca ccacagcacc tgccttatta gatgtgttga tggctgctga 240

taagtttgaa gttgcctctt gtatgaggta ctgcagtaga cttctccgta atatgcctat 300

gactccagag tctgccctgc tctatctcga gcttccctct agtgttccaa tgggccaaag 360

ctgttcaagc ctttaactga tgctgcaaaa caagttcctt gcagccccgc tacaanggat 420

attaccaaag tttcaatgan ggaggtaatg tctctacctt tggctgggaa ttgaagcaaa 480

ttctatcaaa gcgatgaact ccaaaattgc atcaa 515

<210> 7812
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-D5

<400> 7812

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gattgctgaa gcaatgagca aagtgggcag gaaaggtgtg gtgacccttg aggagggtaa 120

aagtgccgag aacaacctct acgtcgtaga aggaatgcaa tttgaccgtg gttatatctc 180

tccttacttt gtgacagaca gcgagaaaat gtccgtcgag ttcgacaatt gcaagttact 240

tctcgttgac aagaaaatta ccaatgcaag ggatcttgtt ggtgttttgg aggatgcaat 300

tagaggcgga tacccaatat taattattgc tgaagacatt gaacaagaag ctttagcgac 360

tcttgttgta aacaagctta gaggtacact gaaagatagc agctctcaga gctccaangg 420

tttggagagc gcaaagagcc aataccttga tgat 454

<210> 7813
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-D6

<400> 7813

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gattggatcg gagatttaag gtaaagaaaa aatggcgcaa caatcgttga tctacagttt 120

cgtagctcgc ggcacggtga tcctcgttga gttcactgat ttcaaaggta atttcacctc 180

aatcgctgct cagtgcctcc agaagcttcc gtcttcgaac aacaagttca cctacaactg 240

cgacggtcat accttcaatt accttgtcga agatggattc acctattgtg ttgttgcggt 300

tgattctgct gggaaggaaa attcccatgt ccttttgga aagagtaaaa ggaagattta 360

acaaagccaa tatgggtggt ggaaagggtg caactggctc aagnanacag cttgaaataa 420

aggagtttgg ctcctaaact gaaaagagca atattgcaag tat 463

<210> 7814
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-E3

<400> 7814

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aaaattgcat tttctaaatc ctaaccaaga taactgttag tattaaccat gaaattacat 120

aactacatac ataagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnaagtttga tctttctggc gttgaattta cttaaaaagc 240

tattgattac nggtctggtt aaatcaatcc tttaacttta taaagttgtg tcctttgtcn 300

ttccctcnct tttattcatt ggntctttta attggtttga cctgatagat tccanaagta 360

anttggtcat agattccaag atccaanttc taacggtata aaccatcttt tttggtccca 420

nngattantg aatgatcaag acgantangt ccttggagac cnnttttttt ttcgtttcca 480

agggtatgga aaanagaaag a 501

<210> 7815
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-E6

<400> 7815

aagagctatn aaagaggata aaaccaacat ttgaattttt ttcttctatc tctctcccca 60

agatatatag cacangaaaa tgangatacc atcaattggc tatgtctttt tccttatctt 120

catctctatt acaattgttt cgagttcacc agatcatgga gaagttgagg acgaaangca 180

gtttaactac gagaagaaag gagagaaggg gccagagaac tggggaagac taaagccaga 240

ntgggcaatg tgtggaaaag gcaacatgca gtctccgatt gatcttacgg acanaagagt 300

ccttgantga tcataatcnt gggatacctt ccgtagccca ntatttacct tccanatgcc 360

nccatttngg aaccagaggc caatgatanc atgantgaag atttgaanga aggaa 415

<210> 7816
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-E7

<400> 7816

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gacaaacctg caaaattagg gtatttgagg atatggatta tgatcggtac aagttatttg 120

ttggtggtat tgcgaaagag acaagtgaag aagctctgaa gcagtatttt agcagatatg 180

gagctgtgtt ggaagctgtt gtagctaaag agaaagtcac tggaaaacct agaggttttg 240

ggtttgttcg ctttgctaat gattgtgatg ttgttaaagc tcttagagac actcacttca 300

ttctcggtaa acccgttgat gtgagaaagg cgattangaa acatgaacta taccaacagc 360

cgtttagcat gcagtttttg gagaagaaaa gtgcaacaga tgaatggtgn gttgcgtgag 420

atgtcnaagt aatggtgtga ccaataggga cna 453

<210> 7817
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-F4

<400> 7817

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agagtaacgc tcctttggaa atgatgccac cttccaaccg aatcccaatt ctgtttacca 120

aactgaacat ctatcatact tcaaatttgt tggtcgcatg gtggcaaagg cgttgtttga 180

tgggcagctt ttggatgttt atttcacccg ttccttctat aaacacatac tcggtgtgaa 240

ggtgacctat catgacattg aggcggtgga tcctgattac tacaagaatt tgaagtggct 300

attaagagaa tgacgtgagc gacatactcg acctcacatt tagtatggac gcagatgagg 360

aaaaacacat tctttacgaa aagacagagg tgacggacta cgagcttaaa cctggaggac 420

gaaacatacg ggtaacagaa gaaacaaaac atgaatatgt tgaccttgtg gccgggcaca 480

tacttaccaa tggcaatcg 499

<210> 7818
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-G3

<400> 7818

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agaacaaggg aaaattaggg tttatatcct caagcttttt cgaacaccat tgatcgttga 120

tctaagattt ttcttctagt cgagtttctt aaggggcttt gatcaaactc aaaattgaag 180

accaatactt tgaaggattc tggtaaagct aaacaactat gagttcaaan tcatgggctg 240

atgtttctga atcagagagg ggcaccatct gggtggttgg ttgggggttt attctccgtc 300

cgtctcgaac caactangtt cctccanatc ttagggagcc gttatnacca tcttcggcag 360

tttggtggcg ccttccacct ggggaataat ggatcnntgg ggggannann gtggtngcaa 420

aatantgggg tatggnggtc canagccaaa aggttatngg tgggcc 466

<210> 7819
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-A8

<400> 7819

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tcttcttctc ctctctttct cacttcaatt tagcgatggc tgcaactgca atctcttctc 120

tttccttccc agctttgggt caatcggaca agatctccaa tttcgcatct tctcgtcctc 180

tcgcctccgc aattcgcatc tgcacaaagt tttctcgcct ttctttgaat tcgcgttcca 240

cttcgaaatc tcttattcac tgcatgtcca atgttaccgc cgatgtgcct cctgtatcag 300

agacaaagtc gaaattccta aaagcttaca agcgacccat cncgagtatc tacaacacgg 360

ttttgcaaga gctcattgtc cagcagcatt tgatgangta taagaagacn tatcgtnatg 420

attctgtttt tgcccttg 438

<210> 7820
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-F9

<400> 7820

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gtttggtggt gatggcagtt acatggctcc tttctcactt caaaatgaca acattcttac 120

cagtctgatg agtcagcttg gttcgcctac tacttggtat anactggtgg ctggtgtaaa 180

tgctcaatta cgtcctgttc gccgtgggcg tctgagatca acatttcatt ctgttctgag 240

atggttagaa actcatgcta atcccgctct ggaaacacat ggcatacggg ttgatctggc 300

ctggttccan actacagctt gtggttactg ccaatatggt ctcttgattc atactgttga 360

ggattgtgaa ccaacatcac ctcaggtgtg tcagtgaaac aacatngact gaa 413

<210> 7821
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-G4

<400> 7821

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gttggagcta atattttgat gtttgattct gtgaatcgaa gaacatgttt gcattacgct 120

gcttattatg gacatgctaa ttgtgttcaa gctattctct ctgctgctca atcaagtcct 180

gttgctgtcc attggggata tgcgagattt gtgaacataa gagatgataa aggagcgact 240

ccgttgcatt tagctgctcg acagagacga cctgaatgtg tgaatgtttt gttggatagt 300

ggttctcttg tttgtgcatc tactagtgta tatggttctc caggaagcac acctcttcat 360

ttagcagcta gaagtggatc tatagattgt gtcagaaagt tgcttgcttg gggtgctgat 420

cgtcttcaac gagacgcttc tgggagaata ccttanggtg ggtgcga 467

<210> 7822
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-G5

<400> 7822

gaaaaaaatg gaagatctat ggaagagagc gaaatcgttt gcagaagaag cagcgaagaa 60

atcacaaacc ataacactac aatcatcttc aacaacattc gtcaatctcg tcaccgaaac 120

cgctaaaaaa tccaaagagt tcgctctcga agcttctaag aaagctgatt cgatcaatgt 180

ctccgagttc gtcgccgaga cggcgaagaa gtcaaaggaa ttcgctgctg aggtttcaac 240

gaaagcggat cagctcaaag tcgtagcatt gaaacaagct ggatcaggat ccagaatata 300

aaatcnattg ccgacattat acctggagga ttaggaggat caggatctgg tggtggtggt 360

tctgaagttt cngaatccga gcttggntag gtttgg 396

<210> 7823
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-G8

<400> 7823

tctctttaga tttggcttcg agaaatggct cgcgatcgtg cgggaaggtc tggngatcaa 60

ngtggtgaat ccaccggcgg cggcgacaaa caatgtggct gtngaaacgt ctccggcgac 120

ggcgacgagg agacngcgac aacaacaacg agcttcgttc gctgagttta gaccgtttaa 180

gctttggttt ccatggcttg ttccagctat cgtgggnggct aacattgccc ttttcgccat 240

ttcgatgttt attaacantt gtccnaagaa cncggcttan tgcttagcta ggtttcntgg 300

gaagatttgc ttttcagcct angaaagaga atcctcttct ggggtcgntc ttctttgaca 360

ttggagaaga nggngggctt tatatgtatc aatgggttgg tcan 404

<210> 7824
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-H4

<400> 7824

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gggcggacgc gtgggctctc tcgttctttg cattttggaa agttcgaaac agagcctctg 120

taaattacgc gtaaagtttc aatctttatt cacacaattc acacagctaa tgtaagcatg 180

agaatcttca gattcacgtc aatctcaccg cggattttgc cgtcgaatca ttactcaaca 240

ttcccgttga aacaaaacgt gtcttctctc tcaccggcga aatacattgc gggagcttta 300

caagaanata tcaattctcc ggccccaaaa gctggtaaga agatacacgc agatatcatc 360

aaaactgggg tttcaaccan gattttgant atatccatca aactactcat tcttcattta 420

aaaatgcggn ttgcttgagt tatgcacccc aagtgttcga ccnaattaan caannccaaa 480

aantaaccgg ggttgaaag 499

<210> 7825
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-A6

<400> 7825

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cgagaagtct caagtcgacg atatggagaa cggagacatt ccagaggacg ctaacgagca 120

ttgcccaggt cctcaatcag aatctgctgg aaaatcagat tcttgtgctg gctgccctaa 180

tcangaagct tgtgctactg ctcctaaagg acctgacnca gatttggttg ccatagcang 240

agaggatgag cantgttaag cacaagattc tggttttgtc tggcaaaggt gggagttggg 300

taaggagtac tttcncagcn canctctcgt ttgcccttgc ggggcatgga tcatcangta 360

cgtcgtgatg gacattgnta natgcgggtc naagcatccc aaa 403

<210> 7826
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-B3

<400> 7826

aaacagagga tgtgttttgt ttattcttag tcatggtttc tccattacat ctagaattcc 60

cataagtgct tgtttcatct tgggttacag gtgctgggaa ttagatggtc atcaatcttt 120

tatgttgaga gtgtagcaag agtgaaaaag ctctcattaa gtggattgtt gctttacaag 180

ttgataatag ctgatcaatt ctttgttcaa tggccacaac tgcataagaa gtatcctcgg 240

gctcactatg ttggggtgcc tgatgtaagc tgattggnac tctacttaca cctagnatnn 300

tattacaaaa acttagaana gctacatagn gtacaccttc tctttanatg cacgattgag 360

ttttanacaa tgantttttg naancagctg tttttgactt tg 402

<210> 7827
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-C6

<400> 7827

atttccattt ttctctcttc cataaaaccc aaaagaaact aggaagagga gtaaataata 60

tttgttttaa agaaatgatt ctccacaaaa tggcgttctt ggccgttatt ctcttcttct 120

tgataagcag cagcagcgtt tgcgttcata gccgtgaaac gtttgcttgc gatacaaagg 180

angcagcanc agctacactg agattctgcc agctttcagt tcctataccg gngagagtca 240

gacatttgnt cggacggttg gacattggcc ggagaaagtg ggcntgttat cggaacactg 300

cggnggcgat acnacgtcna ntgaatcana gggtacgant tggtggtcng gnggctttac 360

acggnngttt caaatgtggg acncggtagt aa 392

<210> 7828
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-F5

<400> 7828

aatctcttct taatagtcaa tcatatatca aaaaatttaa actcttcttg atcaatggct 60

tcttcttctg ctgctatgtc tcttgaatcc atctctatga caactctcaa caatctctct 120

cgtaatcatc aatctcaccg cagttctctt cttggtttct caagatcttt ccanaacctt 180

gggaatctca tcnaacggtc cagatttctc ctcccgatca agatctacta cttccangan 240

cctcaacgtt actcgagctt tcntctggaa ttggggcaag aagaccgang nctccagacn 300

aagtaagatg nanagaacta anngtgtatg agctcannga aggagatata aacagtcnag 360

caggttcctn anactcgggc angganngca ngcagagctt tgtcctgggg gatngcgtc 419

<210> 7829
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-F6

<400> 7829

ttcgccacat cacagatttt gttttcttcc gtttctcgaa attcagtttc atcatcatcc 60

tctctggatt tanaaatttt caatctacct ttcaatcgcc gggggataat cgaaacccga 120

tctgtgtaaa aaaatgatga aatcgacggc gagatttgcg tctgattgtc gttataatga 180

tcacaaaagc ataaaagcgt gacgtttccg cgtcttcgcg tatctcggaa actttaatcc 240

gtatctaaag gagctaaatt tgaagcgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnngaagc ttgcctagtt tcgaagttat tcnatgtttt atcnncaant tctagatcat 360

agnttttgga aatttaagtt ttan 384

<210> 7830
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-055-Q1-E1-G12

<400> 7830

gcagtgtnca cgcctgccaa gtaacggtcc nanaattccc gggtcgaccc acncgtccgc 60

ngaaccacaa gaagagaaga gaccaaaagg aggagccaaa atcctctctt tctttggaat 120

tagggtttcc tcaaaggaag tgaactgaaa atggtcgcgg acaagagcaa gaagtcgaaa 180

nttgaagaga aaggcgaaga agaaaacttg gagcagatcg acgcagagct tgttctctca 240

attgagaagc ttcaggagat tcaagacnac ctcgagaaga ttaacganna aggccagtga 300

cgaggtcttg gaagtagagc ananatataa ngtgatacgg aaacctgtct atgacangcg 360

caatgaagtt atccaatcga ntcctgggtt ttggatgact gctttttga gtcatcctgc 420

cttaggcgac ctcttgactg aagaagacca gcgngatttt t 461

<210> 7831
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-A1

<400> 7831

acgcgtccga atttgaagaa tggttggtgg atcggaagag aattccggcg gattggagga 60

agagggttgc tgtgatcaga gtcaaaatct taaaagagtt ctcttctttg cctaaagaga 120

tcgatccatt ctttcaaacc ctagatcctg aagtgatcgg ttacttggag gtcaaaaagg 180

tgtatgagat tctcctgaag acaactccgg aaagccgcaa catctttggt cgactttcgg 240

gtgcttctgg tgtttgggaa gcaattgttc gtgcgtttga aaaagatcac atttatcttg 300

gggaaggagc tcagataana antcanaatg ttaattacna aaancccttа tcttaaaaag 360

caaatgnaaa anggtcaaca acaaatgaca ngnacntgat cngtaaagaa actgatatca 420

aaaggagcnn ttgnactcct cagcaaacaa aatncc 456

<210> 7832
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-A3

<400> 7832

gtatgcngtg aaagtccgag nttcgcgggt ccgtcagncg tcgcgtgggn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

ntacgaagct tcccttccct tagtttatac attactctca gctctcttta tttcactcag 180

cttcacgttg aagacgagtt tctctatttg ccaagatctg ttatctttca catttctgat 240

ctgtttgaag aaagctatga cttgtgtttg ntaaagagag aagcaaaaga aggaacagtt 300

tttatataaa gatatttgct ttatttgttt gttcttaatt gttgccacga aaatggcaat 360

gccaccacct gggaaatgtt actactccgt ctggagaaan tgcagtttcc tcctccgggc 420

aaattgggtc cangangagc gagatgggtt taacccctgg cttcgtgcgg agtttcgctg 480

cgggnaagg 489

<210> 7833
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-056-Q1-E2-A7

<400> 7833

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aacaacaaca actcttcttc tcctctcttt ctcacttcaa tttagcgatg gctgcaactg 120

caatctcttc tctttccttc ccagctttgg gtcaatcgga caagatctcc aatttcgcat 180

cttctcgtcc tctcgcctcc gcaattcgca tctgcacaaa gttttctcgc ctttctttga 240

attcgcgttc cacttcgaaa tctcttattc actgcatgtc caatgttacc gccgatgtgc 300

ctcctgtatc agagacaaag tngaaattcc taaaagctta naaagcgacc catcccgagt 360

atctacagna cggttttgca ngagctcatt gtccaacagn atttgatgag gtatangaag 420

actaatcgtt atgatccgtt ttntggc 447

<210> 7834
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-F3

<400> 7834

ctgtttacgc ctgcccttac cggnccaaaa attcccggaa ccgacccacg cgtccgaatc 60

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gcttgtgatg gaggctctct tcntgagttc ctcntcttcc tccattgtan cgtcaaacan 180

ncttactagg ttacacaacc attgtgtctg gtctacagtg attagagata anaaaaggtt 240

cggtcncact tggtgccgtg taagtggtgg tggtgatggt gggagaaaca gtaacgcaga 300

gaggcctatt cgggtttctt cgcttttgan aagacagagg tcaggtactg attangggaa 360

canagttcgc cggctatgga tgctgagaca ttggttctgt ctccaaacng gaatgggana 420

ancattgaga tcaatgggag taaagacttt gatgcctttt aatggcgcct ccaaggggg 480

ggatnaa 487

<210> 7835
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H11

<400> 7835

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nttagtgatc naaggaatgg ctttttcttg ccggacaaaa tggcttgggg aaatggaaac 120

attttgtcct tnggtgggct tttgtcgggg taacagatgc tggtttcaag actattcttc 180

actcttgcgc taacctctcc aagtttagta tatatcatgg acctaaattg acggatcttg 240

tcttccatga catcttagca actactcttt cgcttagtca tgttagctta agaaggtgcc 300

atcttcttac tgaccacgca attcaaaagc tggcatcaaa gtctcaagct ggagaatctt 360

gacctcagag ggtgcagaaa cctgagggat gaaaccttga cagctgtatc tcatctgcca 420

aaactgaaag ttttacttcc ntgatngcgc tgaatattta tcgacacagg gccttccgta 480

cccaaaaaga aggaagnttt ttg 503

<210> 7836
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-053-Q1-E1-H2

<400> 7836

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acaacccact tggctcctca ttctcttcgt tctggggtca atctcaatct tcaaattcat 120

cttcaccctc ctcanatctt tctacatcta cttcctccga ccatccaaaa acctccgccg 180

atacggttca tgggcaatca tcaccggacc aacagacgga atcggtaaag ctttcgcctt 240

tcagttagcc cagaaaggtc ttaaccttat actcgttgct cgtaacccag acaagctcaa 300

agatgtctct gattccatca gatcnaagta tagtcaaact cagattttga ccgttgtgat 360

gggtttcccc tgganatant gatgaaagtg tgaaacggat taaggagant tattggaagg 420

gatnnattgt tgggaatttg atnaannaat ggctnggcat gtcttacctt aatgctaaag 480

tattttca 488

<210> 7837
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H3

<400> 7837

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ggctccgtcg cggaaatctc agaatctgaa tttggaagtt tctccacata gagctgtatc 240

tgcagtcaga ttgatgagaa ttgagtacgg tggtgctttt gctgatcttt tgaatgagaa 300

aggaaaangg tcctggggag caatgagatg agttatgttg aaaggactat cggttttcgg 360

actcncgatt tggatgaccg anatcttaga ctgggttaca gatgttgttg gaggaacaat 420

acggtggaag aagtatcctt gatcatttga ttgggtccct ttgccacaac gaaagaacna 480

ttttcgaaat atg 493

<210> 7838
<211> 497

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H4

<400> 7838

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cggaagaatc ngtcgtttgg ttgctagagt tgttcttcag agggatgatg ttgagctcgt 180

cgctgttaac gatcctttca tcaccaccga agtacatgac atacatgttt aaggtatgac 240

agtgttcacg gtcagtggaa gcaccatgag cttaaggtga angatgacaa aaactcntct 300

cttcggtgan gaagcaatca ctggttttcg gcatcaagga acccctgaag gaaatcccca 360

tgggggggtga aggctnggan gctgacttgg ttggttgant tcnacnggng tccntcaact 420

gancaaagna cnaaggcttg ctgcctcact tnaaagggtg ggtggctaaa aaaaaggttg 480

tcaatctccn gccccaa 497

<210> 7839
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H5

<400> 7839

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tggcggcacc agaaacaata ttccgggggt gggaagtgat gcaaatgatt tagatccacg 120

tattcagtca aggatgcccc ataatgcatt cattagatca aatttccctc aaacatcctg 180

gaatgttaat cctggccagc agattgaaaa agagccgaaa aaagaagaac aatttagtcg 240

taggatatcg gctcaaagtc ctcgtttgtc ggcaggtggt ccaccgcagt ccccactttc 300

atcgaagtct ggtgagtttt ctggtggttc aatggggacc cactatggag cagttgcagc 360

agctcanaag ggacaangct gttacttcna atcctgctat tgggtgccta ctcaantcan 420

gttgggttcc aanggctaat tgaanctatg cagnaaaagg ggaacaccaa agcccaaaat 480

ggctgcnaaa cggggcaa 498

<210> 7840
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H6

<400> 7840

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cgcgtgggcg gacgcgtggg taaaaaggtc gagatttctt gatagcgcaa tgaccacaca 120

gaccagannt tcgaaccttc aaaagggaaa tatataattt gtttcttagt ttctcgagta 180

tctaccacct cgagatctga aaatctgatt ctacctttcc attttctttc tcaaaagtcg 240

tggctttgag aatagttttt tcctcttcnt ctcatcagac tcggtttcct agttgactca 300

ttttcaanga tctgggcatc ngtcanttct ttaataaaag ctttcttttt ttatntatcc 360

cttttgtttt cagctgctgg ttgcttgtac tangtanagt tttggggtgg ccttacttgc 420

ttttcancaa aangctggga agatngagat tttctnccgt cntccacncn cctttantcc 480

tttgnggaat ctgcgccaat tct 503

<210> 7841
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H8

<400> 7841

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tgatgctgaa gatatctttg ctgagttttt cggcgaatcc ggtgatgctt ttggcggagg 120

gagtagcgga aggacacgtg gagatggcgg tgatggtggc ggtcggagat ttaaaagtgc 180

agaagcaggg agccaggcta atagaaagac gccgccgacg aacaaaaaaa cgacgccgcc 240

ggcgaatagg aangctccgg ctattgagag taaattggct tgcacattgg aggagctcta 300

caaaggtgca aaggaagaag atgcgaattt ctcgcgttgt tcctgatgat tttggaaagc 360

caaagacagt ccangagata ttgaagnata nacataaanc caggttggaa agaaaggcac 420

aaagatcact ttttccaaga gaaaggcaan ccaanaaacc tggtgtcact cctggcggga 480

ttcctaaatt ccgtgggttg acnaa 505

<210> 7842
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-A10

<400> 7842

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ctctccaagt ttagtatata tcatggacct aaattgacgg atcttgtctt ccatgacatc 180

ttagcaacta ctctttcgct tagtcatgtt agcttaagaa ggtgccatct tcttactgac 240

cacgcaattc aaaagctggc atcaagtctc aagctggaga atcttgacct cagagggtgc 300

agaaacctga gggatgaaac cttgacagct gtatctcatc tgccaaaact gaaggtttta 360

cttcttgnat ggcgctgata ntancgacac agggctttcg tacctaaaag aaggg 415

<210> 7843
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-A2

<400> 7843

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tcttggntta atctttagcc acttacctct tcaagaagta ctaacagtgg tgcctagagt 120

ttgcaaagca tggaacagan ctgttactgg accttattgt tggcaagaga ttgacattga 180

gctgtggagt aaccgttttc accagtctga tcatcttgac cggatgcttg agatgttgat 240

ccctagaaac gctgngctct ttgcgaaaac tctccgttac tggccttcga aatgactcta 300

tcntctcctt cantgcacaa catgctggtt cacntaagac cttgaaggtg ccaagaagtg 360

gtctgactaa ttcnggtgtg gnaaacgtag ctgaaaagct ctcgtctcnc act 413

<210> 7844
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-B1

<400> 7844

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atgtcgatag atcaagatca cctctaaagt tactcaagac gaatataaag aggaaagtga 120

gaatgaagac cctgcagacg agcccaaaga aaaagattca aatttgaaac cctttgcaag 180

tttagaggaa ttggagaaag gaaggttacc tccacaggat attctttcac tccctatgtt 240

caagaactac acagctggga atccgtcggt tgtactgtat atcaaaaacc ttgccaaaga 300

tgttgttatc gatgatttct attacatatt tgggtcacag tttgaaagcn nnnnnnnnnn 360

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nnnnnnnnnn nnnnnnnnnn nngaaa 446

<210> 7845
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-B4

<400> 7845

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tggcgttagg acgaaacctt acttggttcg agacggtttg gttcgattac tcaaccacca 120

aatccaattt ccatgtanat tgccacacca ttctggttct cttccttgtc ttttcactag 180

ctccttttcc tcttgtgatt gtctaatgga ccggttggtt cgatcagttt aagattcana 240

agaaggttaa gtattcnttg tctgagnatg ttccaatgtt atnaagaagt catgaatttg 300

ttccttctcn gtcgtcggca cattgcaaat cctttcttat ccttccatcc agatggttgg 360

gattcgaaag tggnttgnca ttaccatcnn tantggagat agtancacaa ttagtgggtt 420

t 421

<210> 7846
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-B6

<400> 7846

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acgacgcgat tgagctccag ctttattagg cctgttcttc ttgacttcgt ttcttgttcg 120

cctctacgcc agttctctac ccctaggcgc tttatctgtg ccgcgagcaa ggtcaatgga 180

ggaggcaggt catgttcgat tgttgctcca ttggtagtga atgaagaatt tcagaacatc 240

gatgtcaatc ctcctaaagg aactccgtga tttccctcct gaggatatgc tactccgcaa 300

ctggctcttc aaccacttca aagaggtctc acggttantt gggtatgagg aagtggattt 360

tcnagtantg gagacggagg cattgttcat cagaaaagct gggggaggag natt 414

<210> 7847
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-B8

<400> 7847

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ccacattgat ccaaggccag ttaaaatctc tttcaccatg aagataaaga ttatgagcaa 120

aacacatgtg aaaccaacan aaccagtact agggaanaaa caattccacc tcaccacatt 180

tgatcttcct taccttgctt tcnacnacaa ccagaagttt ctactcnaca aggttccaga 240

nccttctaga tctcgaggaa cccacattcc aaancgaggt cgtggagaat ctcaagggat 300

ggtttgggtt tggttcttga ngacntctat cancncgccg gtaagctggg ccaanggncg 360

atgnaggagt cttccgtgtt gagtacgacg ctggngactc agagatcaag cngcgtagan 420

gttcggcgtc gct 433

<210> 7848
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-H1

<400> 7848

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tcttccttcg cttccctctt ctctcaccac aatccnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnagc tctttatcac cattgtctcc 180

tttcttctct atgctccatt gttcttatct tcaccagttc ctgaccctga atctgtcgtt 240

gaagaagttc acaagagcat taatgcgtcg gttgcaggaa gaaggaagtt aggttacctc 300

tcatgtacga ccggtaaccc aatcgacgac tgttggcgtt gtgaccctca cngggagcaa 360

caccgtcaan ntctcgctng actgcgccat tggantccgg gaaaaaaggc caatccggtt 420

ggccgtgaac gggtccggga tntaacgttg gtcaaccgga ctcaaaggaa annganca ac 480

ccaanttagg cccccaagcc ccgggaa 507

<210> 7849
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-E1

<400> 7849

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aaggatgacg gagcaccagt ggcagctgca gcggcggctc cagctggcgg tgagaagaag 120

gacaaagttg ctggtgaaaa gaaagagatt aaagatgttg gagaaaagaa agtcgacggt 180

ggtggtgana agaagaaaga agttgctgtt ggcggcggtg gangaggagg tggacgtgga 240

ggagaccgtg gtgctatgga tgtgaanaaa tcggantata accggttacg ggtaatcctc 300

cacagccgat gtattnctac ccagaannga ccaggtntnc ggttcaacca accattacat 360

gatgcaacgg gtcaatcatc gcnantcgnt attgtncnaa gaacccgtat ttcnaaccca 420

aggggataac ctgcn 435

<210> 7850
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-E2

<400> 7850

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tttctgctaa ttttctttca ctttctcggc tgattttcct gggaaaatac tctttatcta 120

aacgtcctaa aacactactc aaaaacgaat gttttttta ngtnataact tatatttgtg 180

tgactatttt gatataacta ttattgcaga tctgtggatc tnaacacttc tctaatgctt 240

ataatgacga gatctaagca tgagaangaa gagataagaa gctcatgaca agaatctgaa 300

gaaaattaan tttgtttttc acntatcgcc cgccattgtt gttctacact gagcttannc 360

agttgacacc tgtagatcca aaaattcaaa aagtttacca ctgnancata ctcaggcntt 420

ttncttaaag tgancagagc tctgataaag tatgacaagt agcgttacaa tngggangtt 480

ggccaaagaa aattgagn 498

<210> 7851
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-E3

<400> 7851

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aaatcatgaa cattttaagt tctcgcttgg ttggacttgt tccaatgctg atcaaaattg 120

atgctgcgaa ttccttgatt gaggattatg ccgcctgcct tgagggacga cttgaagagg 180

gtgaagttgt agagaacagt tgtgatgatc taggggtcct tattatgcag cttctggttg 240

ataatatcaa ccggcctgcc ccaagtatca cacatttgct tctgaagttt gatcttgatg 300

cccctgtgga agggacagtt ttgcagccga agtttcacta acagttgtct gnaaggtcat 360

tccttgaaat gcctgggaga aagcntccaa accctgaatn atnaacttcc tactcctttg 420

aantttggct tcccaagcct ttgtgtgant tgaaattggg attcanctaa ctaagngggt 480

ccaaaccaat ggattcna 498

<210> 7852
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F1

<400> 7852

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aatggatatg agacgtgctt cgatgtgtat gatgttaatt tgcgtctcct tggttctcct 180

ttcgggtttt ggccagtttg tgatctgcag tgaagaaaaa aggaacgtac aacgacaacg 240

tcgtaaagat gaagcttggt ggatttagcg attccaagaa cgattggaac ggtggaaaag 300

agatcgatga tattgcactc ttcgctgttc aagagcacaa cagacgagag aatgctgttc 360

ttgagcctgc tangagtatt gaaggnaaca agagcanggt ggttgctggc aaagctatac 420

cntcctaccc ctgaaagtta atgaancctg ggtgaagaaa aaagatttat gaanccaaaa 480

gtttggggtg aagccaatgg gat 503

<210> 7853
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F11

<400> 7853

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gagctgtcca agcttgcggc aaacgctttc ttggctcaaa ggatttcatc agtgaatgct 180

atgtcggctc tgtgtgaagc cacaggcgca gatgtcacgc aagtgtctta cgcggttggt 240

acagactcaa ggattggtcc caagttcttg aactcgantg ttggattcng tggttcntgt 300

ttccagaagg acattctgaa tcttgtcnac atctgtgant gcaacggact cccggaagtg 360

gcanagtact ggaaagcaag tcatcaagat naatgactac caaaagganc cggttccgtg 420

aaaccntgtt tggtttccnc caatgttcaa ctccggtatc nag 463

<210> 7854
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F3

<400> 7854

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ctgccattgg tccacaaaac aacagaacag tgttagcact tgcaagcaga attgggatca 120

actatggaaa attaggcaac aatcttcctt ttccttacca atcaatcaac ctcatcaaaa 180

ccattaaagc aggccacgtc aagctctatg acgccgatcc agaaacccta aagctcctct 240

ctacgaccaa tctttacgtc accatcatgg tccctaacaa ccagatcatc tcaataggtg 300

ctgatcaaag ccgctgctga taactgggtc gccactaatg tccttccttt tcacncgcaa 360

acccgaatcc gattcgtccn tccgttggna ncgangtcct cagntacagt tctgattcaa 420

gacangcaaa atatggggct antcntgtcc ctggccatgc ngnaaagtag tgaacnccct 480

tagacccgtg g 491

<210> 7855
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F4

<400> 7855

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cgaccggatt aaaatcggtt tgcttaacaa cgaccagagc cgaaacaagc ggtgttgaca 120

gagaggagaa agtagtgatt gttgggggcg ggattggcgg acttgccact gncgttgctc 180

ttcaccggct tggaatccgg tccgtggtgt tggagcaggc anagtcgctt cggacaggag 240

gagcatcgct gacgctatcc aagaatgggg tggcgtgttc ttgacgccat ctccatcgga 300

cctcaactcc gaaagcagtt tcttgaaatg caangggtgg tattgaanaa ggaagatgga 360

agagagcttc gttctttcaa atttaaagac aatgatcaaa gccaagaaag ttcgggggggg 420

tggagaggcg aagtactcct gggaaacact tgcaaaccan ccttctccac aaaccattcc 480

ggttt 485

<210> 7856
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F6

<400> 7856

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ctctttcttc ttccccgcag ttcccggaga cgacgccgga ggaaaatcgt acggaaactt 120

tgcttcgact tcacgtggcc gctccacgaa gcgcctttgg gtttcgtctt ccccgtttct 180

ctttctctct cttcttttgc ctttgttacc acgaatagaa cgagaggaga gagataggag 240

gagagttttg ggatattggt ggagagcgat tatcgggaga gccaagagaa aaaaataagc 300

agcttcttcc tccctcatcg ttgggaccgt gacttttgtt ttcttcagct ttaagcaanc 360

aaannaaaaa gatgaccggg cgttggcgan aatcagctta tctcnaattc aacctgaatg 420

aactcaaatt tctcntttga actttgagaa gcaaaaccta ctggtgattc ttaaaagttt 480

gccagttagn acaagggaa 499

<210> 7857
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F8

<400> 7857

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gccctctcct gagcctgggc ctagacggtc ggttgcggat agagttgata cagatatgtc 120

accaccacga cggagaaaac gtcacaattc gccttcacct gaacctaaca gaaaacatac 180

caagcctgtt agtttggatt cagatatgtc accacctcgc aaaagaaaag ccaggaatga 240

ttcgccttca ccagaanctg aagctaaata tctgagtgaa gatctatctc ctcctcgtan 300

gagacatgtt cattctccat cggcgtgaat ctagcanaaa gccgttcaag attcngttga 360

agttggacna tgatttanct cngccntcgc aagaanggng aattacatgg ntcaccgtgt 420

<210> 7858
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-F9

<400> 7858

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tcgatttctt tccccggaat tgcanagaag agcctgtaga atcgtgtagt tccgattacg 240

aagactctgg tggntcanga ttttgttctt cagtttgaac caaaggtgnn aagagattgt 300

tgaagganna ccgcgatgtt gatttaantg ggctgttgaa cattcaagat tgcttacttg 360

gagtacntgn gaaaatganc ttcagtcngt ggaggctgaa aagtgccaaa gtttctgnag 420

aaaattggag cgtctttctc aagtctcatg ccccanggat tctaataggg ttgccanacg 480

gggatctt 488

<210> 7859
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-G12

<400> 7859

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tcaataaacc aaacccaaat gcangctgtg tagagagaaa cggagtgagg aaggaaggag 120

atggganggg tgacgtcatc ggtggcgggc gaaagtttgc cttcntcccg ccgagtccac 180

cgtcttacaa ggtggtgacc gacgagctca ccggactgtt gcttctcagc cctttcnccc 240

accgcgaaaa cgtagaaatc gtaaagcttc ggaccaggag aggcacagag atcgtgggca 300

tgtncgtgag gcatccgatg gctacctccc angctcctct actcccatgg caacgccgcc 360

gatctgggac acatgtatga gctcttcatt gagcttanca tcnatctcaa ggttaatctt 420

atgggatacg nttactccgg ggtatggaca aatctacng 459

<210> 7860
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-G8

<400> 7860

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ttatcatctg ggtcctctcc ttaatgattt gaagacactc aattcctatt tgatcgggga 120

ctagaatttg gattctgttt cagacaaaag tagatttccc tgtctctttc ccgtttgatt 180

ttcaataacg atgaatccgg aggagcaaaa gatggaatct gcatcggatc tgggcaagct 240

cttcattggc gggatttcat gggacacaga tgaagaacga ctgcaagagt attttggcaa 300

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<210> 7861
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-G9

<400> 7861

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ctaatcttga gatggcatcg gagaagaagc tctcgaaccc tatgagggat attaaggtcc 180

anaagctant tcttaacatc tctgttggtg agagtggtga tcgtctcact cgtgcctcca 240

aggtgttgga acangctcag tggtcanact cctgtcttct ctaaggccag gtacactgtg 300

aggtctttcg gtatcaggcg taatgaaaag attgcgtgct atgtcaccgt ganaggtgaa 360

gaaggcaatg cagcttcctt ganaagtggc nttgaaagtg aangaatacc ancctgttga 420

ggangnacct caatgacact ggntgctt 448

<210> 7862
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-D8

<400> 7862

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ttggacttgt gacttcaaga gaagagattc ctgatttgct taagcttgat gaccgttatc 300

gatcttgtga tcccaaggan gaagcancaa gcttgttact cagatannac atnctacaga 360

aatccctngt gctangtcan gccgattgga aatctgncca tntatntgtc ngacaaaggg 420

cttgttnaat accg 434

<210> 7863
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-F2

<400> 7863

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gacgcgtggg caaagcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnacaag aactttgttt tggggcttca tccatcgttc aaggttcgtt gaaaactatg 180

aagaaagttg agtttttttat gctccttctc tgcttcatcg cagcgtcatc tctangtgtc 240

tgctgatcca ccancatgtc ctgctgattt gggaggcaag tgtagtgant ctgatgactg 300

gcaaggtgat ttcttccctg aaatccccan gattaantat gacggacctt tcgagtaaga 360

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acggattggn ttaaatttca gtgttgcgtt tttggcatac tttcccgtng ggaactggga 480

ggtgattcca tttgggtgct gnanctaagt tattgcncct tggggaaaga acgggtcca 539

<210> 7864
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-G5

<400> 7864

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tagctaacaa tgggataact gtggttttaa ctgcgagaga tgaaaacaag ggtcttgctg 180

ctgtccaaaa gctcaagact gagaatggtt tttctgatca agccatctcc tttcaccctc 240

ttgatgtctc caacccagac accatcgctt ctcttgctgc ttttgtcaag acccgcttcg 300

gcaaactcga tattctggtt aataatgccg gagttggagg ggcgaatgtt aatgttgatg 360

ttctcaaagc tcagattgct gaggctggtg cgccaactga tatttccaag ataatgagtg 420

atacatatga gataagtcna ggantgtgtt aaaacaaact actacngcgt taaagcgaat 480

gttgcgaggg ccatgattcc tctccttcaa t 511

<210> 7865
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-A2

<400> 7865

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ccacttacct cttcaagaag tactaacagt ggtgcctaga gtttgcaaag catggaacag 180

anctgttact ggaccttatt gttggcaaga gattgacatt gagctgtgga gtaaccgttt 240

tcaccagtct gatcatcttg acccggatgc ttgaagatgt tgatccctag aagcgctggg 300

ctctttgcga aaaactcccc cgttactggg gcttcgaaaa tggactctat cttcctccct 360

tcaattgcac aacaanctgg ttcacgtaan gaccttgaan ggtgccaagg aagtggnctg 420

acgaaattcg ggtgtggnaa aacgttanct gaaaaaactc tccgtctctc acn 473

<210> 7866
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-B11

<400> 7866

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caagggagat aagcaaagcg caggatagac tgactgacct tctccaggac gtttatgcaa 180

gttatccaga gtacagagaa cttttgcgga tgataatgtc tactgtaggt cgaggaggtg 240

aaggagatgt cgggcaacga atccgtgacg aaattctagt catccagcgg aaaaatgact 300

gcaagggtgg aattatggag gaatggcatc agaagttgca taacaacact agtccagatg 360

atgttgtcat ctgtcaggca ttgatggatt atatcaaaaa gtgactttga cttaagtgtt 420

tactgggaaa accttgaaac gataatggca taaccaaaga gcgaccctaa gttatgatcg 480

tgctanac 488

<210> 7867
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-B4

<400> 7867

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tggcgttagg acgaaacctt acttggttcg agacggtttg gttcgattac tcagccacca 120

aatccaattt ccatgtnnat tgccacacca ttctggttct cttccttgtc ttttcactag 180

ctccttttcc tcntgtgatt gtcgaatgga ccggttggtt cgatcagttt aagattcaca 240

agaangttaa gtantcgttg tctgatatgt nccantgtta tnaanaagtc atgaaagttg 300

ttccntctcg tcctcggcac aattgcaaat ccgtttccnt anccgtccat ccaagaatgg 360

ttgggaattc gaagtgggnt tggcaattaa caancgttaa tggagataag taancaccaa 420

tta 423

<210> 7868
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-B6

<400> 7868

aantgttccc ctgccggtaa nggtccaaaa ttcccgggtc gacccacgcg tccgcccacg 60

cgtccggctg aagaagcaaa caacaataga aaagagatgc gagcaattca catcgtgacg 120

acgcgattga gctccagctt tattaggcct gttcttcttg acttcgtttc ttgttcgcct 180

ctacgccagt tctctacccc taggcgcttt atctgtgccg cgagcaaggt caatggagga 240

ggcaggtcag gttcgattgt tgctccattg gtagtgaatg aagaatttca gaacatcgat 300

gtcaatcctc ctaaaggaac tcgtgatttc cctcctgagg atatgcgact ccgcaactgg 360

ctcttcaacc acttcaaaga ggtctcacgg ttatttgggg tatgaaggaa gtggattttc 420

caagtactgg agacggaggc attgttcatc ngaaaaagct ggggaaggag attaagagac 480

caagtttgtc tt 492

<210> 7869
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-B8

<400> 7869

aaagaaaaac aatagctaat ttaatatctt cttgtgatca tcacaatacc acattgatcc 60

aaggccagtt aaaatctctt tcaccatgaa gataaagatt atgagcaaaa cacatgtgaa 120

accaacaaaa ccagtactag ggaagaaaca attccacctc accacatttg atcttcctta 180

ccttgctttc tactacaacc agaagtttct actcnacaag ttccagaacc ttctagatct 240

cgaggaaccc acattccaaa acgaggtcgt tggngaatct caanagatgg tttggggttt 300

ggttcttgaa gacttcnatn anctccgccg ggtnagctgg ccnagggacg angaaggagt 360

ctccgntgtt tgagtncgac gcngangact cacagatcaa cggccgtaga agttctccgt 420

ggntcatgct 430

<210> 7870
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-C11

<400> 7870

cgttaccgcg tncaaaaatt cccgggacga cccacgcgtc cgnacaaaga gatttcggtc 60

ccatgcatga gtgtttttga tgttggtgga aacagcttat cgggtgtaat ccctgatttt 120

ctcaacaata ccacaagcca ttgtcctcct gttgtttact ttgacaggtt ttctattgaa 180

tcttacagcg acccgtcgtc tgtttatctc tccttcttta ccgagaaggc tcaagttgga 240

acttccctga tagatcttgg aagtgatgga ggtccggccg tgtttcataa ttttgcagac 300

aacaacttca ctggtactct caagtctata ccacttgcac aggagcggtt gggaaagcga 360

tctcctacat attttctgct gggaagggaa tcggttgtac nggcaatttc cgggaaatcc 420

tgtttggata acntgcgacg aanctcaaag ctgttaatgt caatgttaac c 471

<210> 7871
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-C5

<400> 7871

acgcgtccgg ttgaacactg ctagttctgg taataacaga ttgagtggtg atagttatgt 60

attgtgctct tctgggtttc atgaacatag aggttatgct gataaatatg agttcttgga 120

atcaaaacca ctttgctctc aagatggctt ctttgattac ctcaactttg tttctgttct 180

ggtgtctggc ttccatctga atgtggcatt cctatgatca gatatcttaa aatgggaatc 240

ggcaanacgg naaatcaatt tcatgangat tactttcagc tgcacctaat caggcannnn 300

cagtctaacg cttatgcatt antgttgcta ctttgacgga acaagttggn accaactctc 360

cggaagagga agacccttg aangggcttc ccangagtta caaaacgcgn aagg 414

<210> 7872
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-C6

<400> 7872

acgcgtccgg tttgcaggcc tgagtcaatg cacgagtata atttaacccc acactcgttg 60

tatgctgctg tttccgttgg tcttgagaca gaaactatca tctctgtttt gaataagcta 120

tctaagacca agctacccgg ggagatcatt gatttcatcc atgcttctac tgctaattat 180

gggaaagtga agttggtatt gaagaaaaat cggtatttta ttgaatcacc attcccggag 240

gtgttgaaaa ggcttctcag tgatgatgtc ataaatcgag caagatttac ttctgagcca 300

tattatggtg gtgatggatt tacgatcggc anaacaagtg gtgaacttga agcaaggacc 360

tggggagttg ttgaatgaaa ncagaattgg cagcagcagn aaganganaa agaaactcac 420

tcanttgaga tagancctg cactgg 446

<210> 7873
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-C8

<400> 7873

gaactgtntc cgcctgcccg gtaaaggtcc aaaaattccc gggtcgaccc acgcgtccgc 60

ttccgccttg tccgattctg cttcacctct gcgcattcct tgtctgatcc tcgcaggaaa 120

ctctactgtc agcaataggt tgatgggttc tgcagccaga cagcctctct tctcatttgg 180

tgttattgct gatgttcagt atgctgatat ttctgatggc cgctcttttt taggtgttcc 240

taggtattac agaaacagca tccttgtcct tcaaagagct gttgaaactt ggaaccaaca 300

tggnaacctc aaatttgtta ttaacatggg tgacattgtt gatggctttt gtcccaaaga 360

tcaatccttg ggcggccact aaggaaacta gtcnatgaat tcgagaaatt caanggtccc 420

tgtgtatcat angaagtggg naatcacngc cncnaaaaat ctcccccggc gangaagttg 480

cttccgttgc tggaaggatc cn 502

<210> 7874
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-D3

<400> 7874

acgcctgtnc gtacgcctcc naaattccaa ggtcnaccca cgcgtccgaa gaaacccaaa 60

agcagaagaa gatggtggcg atatctatgt acagaggcaa ccttcacaaa gttcccgacg 120

tacctcgccg gtggataatg cctgaccgta atctctcttt caaggatttc aaatctcttc 180

ttcatcgccg taaaaaagcc ctttctcgtc tccccttaa ccctaatttg aaccttagcg 240

tcaagactga gttggttact gatcaggaga atccaattct tccatctgaa gcgaacggtt 300

cttctgggaa gcagaagcta tttgaggtaa agagagagga gatttgtggg aatcgggtta 360

aggggagatg agaacaacga cagaggtttt gaanggagct ccgatcagac ggtgganatc 420

gtcccgggga gaattgacgg gnatcagagg aaaccgataa tgtggccaca cnaa 474

<210> 7875
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E1-D4

<400> 7875

aaaactgtcc atgtaccaca ccatgagatt agttgtcacg atanatattc gcgagacgag 60

aagctccaat taaaaaccct atgagctcat ctctctctcc aggtacggcc ttttcgtttt 120

tggctttcac cggcgtggat ctccggtgac ggggagattc ggaatttcgg agagatttta 180

gatcatgtat anggagatag gtatggttgg atcgaagtcg gacgtggtcg atcngaaacg 240

aataaacgan attcacgata acaggccttc gcattcgatg tctcancctg tcaatggaaa 300

angcaaggta acatcgacct cccgttttga tggggaaaca ccaanttgca tgatnaggaa 360

tcttcacntt ctggttcaat ctccaaggac taacatttcc gacgctggtg gagatatcan 420

acc 423

<210> 7876
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-F1

<400> 7876

actgtttccc tgntctaccg ccccgganat tcccgnagtc gacccacgcg tccgaatnaa 60

ttanggttca gagagatggg tagganaaag aaatctaggg cttcgacaac cgaagaagat 120

gagattgaga tggataatgc tggcccatcc tctgagacaa gtctttacga ggttcttgga 180

gttgaaagaa gagccacttc acaggaaata agaaaagcat accataagtt ggcattgaag 240

cttcaccctg ataaaaatca ngatgataag gaagctaaag acaagttcca gcagctgcaa 300

aaagtgatat caattcttgg tgatgaagag aaaanggcag tctatgatca aactggctca 360

attgatgatg ctgatattcc tggagatgcg tttgagaatt tgcgggattt cttccgggga 420

catgtataag aaggtcaacc aagcctgata ttgaagagtt tgaggcaaac tacaggggat 480

ctgatcagag aananagact tgccttgaac ctttca 516

<210> 7877
<211> 351
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C12

<400> 7877

ctctggggag aagcaagctt tgatatctct atctgacaag agggacttgg cttctcttgg 60

caacggtctg caagaattgg gatacactat tgtttctact ggaggaactg cctctacttt 120

ggagaatgct ggagtctctg tgaccaaagt ggagaagctt actcattttc cagaaatgct 180

tgatggccgt gtgaaaactt tgcatccaaa catacatggt ggtatcctcg ctanaaggga 240

tgtggagcat catatggaag ctcttaatga gcatgggatt ggtanatttg atgttgtggt 300

tgtcaatttg taccccgttc tatgaaaaag ttactgctcc aangtgggat c 351

<210> 7878
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C2

<400> 7878

attttcaaca aggataagag ccggaagctc atcgccggtg aacggaacta gggtttcatt 60

catccccaaa ttgataacaa gaaaatggct catgcttgcg tctctacatc ggcttcttct 120

ctcagattca nagctggatt cgtctccgct agtcccaatg gntcctcttt cgattcnccc 180

aagctttctc ttcctttcga ggcctctccg ttcaaggaan gacgaataag ttagttaagc 240

gataganaga attgggaaga antcaactcc ggaaagctgt atattccggn aatctctgga 300

cacccggaga ttncgtctcc tcaagggagt ttggtccatt agagatgatn tacaangtcc 360

cttcttcgnc gtagtttccg gcttatgctc aanggacaaa ggaccaacct ccna 414

<210> 7879
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C3

<400> 7879

acgcgtccgc ccacgcgtcc gcttttaaag aagcaatatt ttttgtgttt tgttttaagt 60

tttaacacac aaacacatta cctcgaattc gatacgtcat agtaattagc aactatggaa 120

cgatgtcgtt ctggtcatca tcgcatcatt tcttattanc tctcttcttc gttgatacta 180

ttttggtgta ttttcgttct cgtgctgtta tctacgacaa gtactacaaa tgctttagtg 240

aaaatcccga aaaacncgac cgttccggcg gtaatagtgt tcggtgattc anttgtcgat 300

gccgggaatn acgacgacat gatnacagaa gctangatgc gattatgcnc cctacggcat 360

tgattttgac ggtggaagtt gcnacgggaa gattcccctn atgggc 406

<210> 7880
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C8

<400> 7880

tgcgattgtg atggcatttg ctccggctcc ttgggttatc atcgttggaa gaatctttgt 60

tgggtttggt gttggtatgg cttcgatgac gtctccgttg tatatctctg aagcttctcc 120

ggngaggatt agaggtgcac ttgttagtag caatggtctt ctcatcactg gtggacantt 180

cttctcgtac ctcatcaatc ttgcttttgt ccatactccg ggaacatgga gatggatgtt 240

gggtgttgcg ggagttccan gctattgttc agtttgtgcn tatgttgtcg ctacctgagt 300

ctccaagcgt ggttatanta gaanaaggac aatgattgcc ggaatcccan aaccgattcn 360

ttgagaagga tttacccngg g 381

<210> 7881
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-D10

<400> 7881

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tcatactgct gaaggaaggg acggacacat ctcagggcaa agcgcaacta gtaagcaaca 120

tcaacgcttg cactgctgtt ggagatgtag ttcgaaccac gctcgggcca cgagggatgg 180

acaaactcat tcacgacgat aaaggatccg tcaccatttc taacgatggt gctaccatca 240

tgaagctcct cgacattgtt catcctgctg ctaagatcct cgtcgatatc gccaaatcnc 300

aagactccga ggtgggtgaa tgggacaact acantggttc ttcttgcagc agagtttttt 360

gaangaagcg aagccattta ntgggggat ggngttcacg ctcanaatcg aagttagggn 420

gtttcc 426

<210> 7882
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-D11

<400> 7882

acactcaaag gttaagaaga aaagatggcg aaaaagttgg aagctcaagg tggtcgtgga 60

ggagaagaat gggacgatgg tggtgcttac gaaaacgtca agaaagtgta tgttggtcaa 120

ggtgattctg gtgttgttta cgtcaagttt gattacgaga aagatggaaa aatcgtatca 180

cacgaacatg ggaagcagac actacttgga acagaggagt ttgtggttga tccangaaga 240

ttacataaca tcaagtgaaa atttactacg agaanctctt tggatcaccc gatagagatc 300

gtaacggctc taatctttaa ngacattcaa ctgggaaaaa cttctcancc ttttggacta 360

acctctggga gaangaagct ga 382

<210> 7883
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-D3

<400> 7883

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agcaattgga tatacaattg catcagctat aagtttggta gcaatccaaa ggacaagttg 120

ccaacagatg aatggaccaa atgatccttg tcatgttaat ggaaatgttt acatgattgc 180

gtttggtatt gtacaaatca tattctctca gattcctgat tttgatcagt tatggtggct 240

ttccattgtc gctgcggtca tgtcttttgc ttattctgcc attggacttg gccttggtgt 300

ctctaaagtg gtaagagaac aaagaaatta aaggtagtct cactggagtc actgttggga 360

cagtgacact gnagtgggac agtgacatcg tcgcagaana tatggagaac atttcantct 420

cc 422

<210> 7884
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-D7

<400> 7884

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gcaaacaatc atggngaccc agatcagcaa gaagagaaag ttcgtagcca atggtgtgtt 120

ttacgctgaa ctcaatgagg ttctaaccag agagcttgct gaggatggtt actctggtgt 180

tgaggttcgc gtcactccta tgcgtactga gatcatcatt agagccactc ntactcanna 240

cgttctcggt gagaagggaa ggaggattag ggaattgaca tctcttgtgc aaancagatt 300

caantttcct catgacaggt gttgaccttt atgctgagaa ggttgccnna cataggtctt 360

tgtgctactg cncagngctg agtctctncg ttacaagctt catgggnggt 410

<210> 7885
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-E4

<400> 7885

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tactttggac gangtttgct ccctgaaaga ggagaaaacc acatgcattg ccaaatggaa 120

tgctgtagct ttgcagaatc aaagcttaga ggcaaatttg cagaatatta ctcacgaaaa 180

cctcatcctt ctgcaaaaga ttgatgaact ggaatctgta gtgttggagt ctaagagttg 240

gnagaccaat tatgagacat gcatttgtga agaaaaaaga gcttgcaaag cttatgggag 300

aaagaaacgg tgggaaaaag ctcaatatcc gacaaggcnt gctactgtnc aagctgagtt 360

ttgatgctgt ganaagtaan gtttgatgaa tttgggctac cngcaaatgg aaaatcta 418

<210> 7886
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-E6

<400> 7886

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cttacttcaa gaggtaccaa gtgaagttca ggagaagaag agatggaaag actgactaca 120

gggcaaggat ccgtcttatc aaccaagaca agaacaagta caatactcct aagtatcgtt 180

ttgttgtccg gtttaccaac canagacata atggcacaga ttgtatctgc aagcattgct 240

ggtgacattg ttaaaagcct tctgcttacg cacatgaact gcctcagtat ggtcccactg 300

ttggtcctac aaactatgnc tgnagcttac cggtaccggc cttccttttt ggctcgccng 360

tgttttaaag aangttggga aa 382

<210> 7887
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-E7

<400> 7887

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caccttcttt ttcggtatat cattcaacaa aattctctct tcatttcntt attttgttgt 120

ttttttttatt antattgaaa tcaaggagaa ttaaaacaga ggctctgcaa aagaagatga 180

tcaaaacaat cacatctcta cgcaaaactc tggttctacc tcttcattta catattcgta 240

cgctacaaac tttcgccaag tacaacgcac aagctgcatc ggctttgcga agaagagcgt 300

nanaaacctc tttancaana tggagatgan ngtatatgcg gatttggntt gggaataanc 360

tcgggtttgg nccaaaatcc aatctgannt acatgtntgt catngaaaat ggctcaaaa 419

<210> 7888
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-F12

<400> 7888

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ggaggaaaaa caaaacatgc gaaccgaatt ggaaatcgct gctgcttcag aaaagttggc 120

cgagtgtcaa gagacgattc taaacctggg aaagcagctc aaggcattga ctaactcaaa 180

ggaaacagct ttactttcag aaacactcat gtacgacgtt acagacaaat cgaacaacct 240

acctgatgca caaccttcac atgagactac taaaccagag aagagattga ccagccagag 300

atcatctctt ttggatcaga tgaaggcaga agatcacaac accggggaat ccaaggatca 360

gaaaccgcaa ngcagcaaga ttaaanacgg aaaagggaag aaaacagctc tgtttacaat 420

gaaaccattg aaggcactag aacaaa 446

<210> 7889
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-F2

<400> 7889

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tgatgctagg gttttcggag gacgaggaat cgaaaaattt gtaactttcg gtcagaatta 120

tattgttacg tggggacaaa gtcatgtttc tacactccat tctggcgaag aagttgatct 180

ttacatggat caatcttcag gtggtgggtc cgaatccaag gacgcctacn gatcaggtct 240

ctttgaaatg agaatcaaag tgccttcagg aaatactggc ggcatcgtca ccgcttttta 300

cttgacgtcc aaaggaagtg gtcacgacga gattgacttc gaatttctaa cggnaacaac 360

aacggaaaac cggtaacgtt tacagacaaa tcctgtttct aaatggagna 410

<210> 7890
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C11

<400> 7890

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ttttgttgca cctgtgagtc tgcgaccatg gctatgcaat ctggtattgg gttatcgaag 180

attttgattc tagctggagc aggttatact agtacgattc tggttaagaa tgggaagatg 240

gcagatattt tgggtgaagc ttcaggcttt ggttaagcga tttgagaaat ctggagatca 300

tgtagatgat gattctgatg ccatgactac ncagatgcaa cgattagcaa tgggaggttc 360

gngcaantgg cntcgtccgc gggcagataa ctggtnagga aatgggagct cangggagct 420

gantttacac ccttttantg gtccccgngn angcgacatn tgggagcant aaggctatgg 480

gntaganngt gggttcaaag gggaaat 507

<210> 7891
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-F3

<400> 7891

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ttgtaaccgt atggagattt atgttttagc tttatctcag catcgtggag ttaaagaagt 120

tactgaatgg atgtcaaaga cgagtgggat cccagtttca gagatttgtc aacaccgttt 180

tctgttgtac aacaaggatg ctacacagca tatatttgaa gtctcagctg gtcttgactc 240

tcttgtccta ggaaaaggtc agatccttgc acangtgaaa caagttgtga aagttggtca 300

aggagtgaat ggctttggga ggaatatcag cgggctgttt aaacacgcga taactgttgg 360

taagcgtgtt agaacagaga caaatattgc ctctggtgcg ggtttcggtt agcncaactg 420

<210> 7892
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-051-Q1-E1-F4

<400> 7892

aaatgtatgt tctaaaatga ggtgagaata atgtgttgaa tccatttctc aaaaaaaaaa 60

aaaaaagg 68

<210> 7893
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-G12

<400> 7893

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acgtggttaa aaacaacttg ttgaaaccga tcatagatgt cttcattgcc aatggaaccc 120

ggtacaatct gctgaactct gcagtcttgg atctgcttga gcacatacgc aagggaaatg 180

caactctgtt gctcaaatac atagttgata cgttctggga ccagttggcc ccatttcagt 240

gcttgacctc catccaggct ttcaaggtta agtatgaaca gtgtttaaga aagtgccgga 300

ccaaaaagca cttctgatgc ggttgatcca agaagaagag ttgacgagcg ggcattggag 360

aaagangaan gaagattatt tcaatgaaag acagcgaatg aagaaagatt caagcctcng 420

<210> 7894
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E7

<400> 7894

gnaactgttt acgcctgccg gnaccggtcc aaanattccc gggtcgaccc acgcgtccgt 60

tcctcacacg atcaaaaaga tagttcaaat ttttctttaa agcttaagaa accactcagt 120

ggaaaccaag actaattaag gctaatggtt tctcgacaag aaggaaccct ctactctaga 180

aagagggatt tcacagtctg tggagaagag tttcacaatt cattcaagaa gagcaaacaa 240

gaagatcaat cacagagcac tctgttcaat gaacgaccaa aatcggagag tatgagatca 300

attacctttg attttgaact tcatctccac actcctctac catcagattg gcaaactaag 360

ggatattcaa gaacatctga tgagcatagg gcatatccca aagatccagt gatttttgga 420

caacctaaga tgagcctaag accttgagct gaacctttca ccttcaggtt caccttcacg 480

aaccacaacg an 492

<210> 7895
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E8

<400> 7895

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gcgtccggcg ctcgataatg gctgcttccg atgattcctc tcactatttc accgagttta 120

ccttgtctga gattgtncga catggagaat ctgtataagg agctcggtga ccaatctctc 180

cacaaagatt tctgtcaaac tgttgcctct acttttantt gttctgtgaa tcggaatggc 240

anatcctcta taacctggaa acaggtacag atttggttcc aggagaagct gaagcatcaa 300

gagccaacca aaatccaaaa ctttgccatc tccccctttg canattcatg acttatctaa 360

tcncagttcg gatgcttcaa atgcnncaaa tgctaccttt gttgggaatt ctacctttgt 420

tcanacacta caaggttttc cnttttcggg tgtgccatat ttggnttcnn tttaggntaa 480

acgccttaga aacgc 495

<210> 7896
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-F10

<400> 7896

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ctccgaacac agcaacctga cgagcttaga cttgggcgtg tctcacagcg accatgaaat 120

tctggcagag gtactaagat gtacttcgaa gatcagtaaa cagtggggtg gtgctcctta 180

tgccatgtat tatgaatcaa ttaccggaag gccaattatc tcatcggatg aaatcgttcc 240

tcgcttagtt aacatccttg agtcggggat attcnacgac cataggtcaa cgtacntggt 300

cagatcttgg tgctganagg ancatgggaa aaagngctag aagctcataa agntcnnaga 360

ncantcncna tttgaacatg ctgctgtcnc ncnctgcncc anngtcnnag ggctgggatc 420

ttgggga 427

<210> 7897
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-F3

<400> 7897

ttcttcttct tcttaatctc agattcttgt ctgaaaactt tctctttcat tttctctcaa 60

tttaacactt tcaagatgcc gatcaacaaa gacccatcaa cacctcctcc tgttatcgga 120

aaaatcggtc cttacactgt ctttatgact cntcctgcga ctcctaaacc acctgaatct 180

ccctccgctg tgtctcagaa gcctgtgatg gcaccaccgg ttcttcctcc gncgcagcag 240

tttaaatcgg tggcttcttc tgaccaggan ggctcagttt tggggttctt taaaaacgcc 300

gtcacaaagg ttcaaaatgn acattcangg tgtggattat catttggtgn ggtggtttgg 360

gttaaaccaa tctaangtnt cangtgcggc nttggatnga gtgtncgaac agcaacagna 420

tcacg 425

<210> 7898
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-F5

<400> 7898

gaaaatcacc aacccgatta taccatctct tttagtctct catctctact tctctaagct 60

aaccgaaacc ttttggtggg aatcgtcgaa agttttcaag acacctgaat tgcatgtatg 120

ttgagacaaa ttccaacctg caaaggtggg cgctttacac gagttttgca atctatcgga 180

tcagttatta gagaattttc agcatctgca aatgctttgc aagactgttg gaaaaatggg 240

aatgaaagta aagagattga tgatgttcac acacttttca gatattgcac taatttgcaa 300

tcagccaaat gtctccacgc acgtctcgtt gtctccaanc aaatccaaaa tgtttgtatc 360

tctgctaaac ttgttaatct cnattgttac cttggcaagg tcgcattggc na 412

<210> 7899
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-G4

<400> 7899

cgcctgccgg taccgnccca aaattcccag gtcnacccac gcgtccgcac acgcgtccga 60

agccatctat gacatttgcc gcagatccct agatatcgag aggccaacct acacaaactt 120

gaacaggttg atatcacaga tcatttcatc cttgacaaca tctttgaggt ttgatggtgc 180

catcaacgtg gatatcactg agttccagac caatcttgtc ccatatcccc gtatccattt 240

catgctgtca tcttatgcac cagtcatctc agccgccaag gcttaccacg agcagctatc 300

agtccctgag atcaccaatg ccgtgtttga gccagcgagc atgatggcaa agtgtgaccc 360

aaggcacgga aagtacatgg catgttgttt gatgtaccga ggagatgttg ttcccaaaga 420

tgttaatgct gcccgttggg caacatcaan acaaa 455

<210> 7900
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-H11

<400> 7900

ttcttcacca ttcaggatca gagattcgtg acctgagaag acactcaata tgagtaagct 60

tcagagtgag gctgttagag aagccataac gactatcaag ggaaaatctg aggagaagaa 120

gcgtaacttt gttgagacag tggagcttca gattggtctg aagaactatg acccacaaaa 180

ggataagcgt ttcagtggnt ctgtgaagct cccacatatt cctcgcccaa aaatgannat 240

ctgtatgctt ggagatgctc agcatgttga ggaggcanag aaaatgggac ttagtaacat 300

ggntgttgan gcnttgaaaa agcttancaa gaacaggaaa gcttgttaag aancttgcca 360

agtccntacc atgcgttctt ggggttcctg agnccggtca att 403

<210> 7901
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-H2

<400> 7901

agccgctngt acggccccaa attcccangt ccacccacgc cgtccggaaa acacacactg 60

canttgagat cgatttcgac tgtaagttna actttgattg ccgcgaagat tacncaaatc 120

gccggacaca ngtttttcag tgnattccat tggcnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnntctaaca aggagtcaaa gtttctgact ttttcgcatt ctttttgana 240

tcganttctg tttttggtgg cgtgtgaaga tgaattctta aagaangaag aananganga 300

aggaaaagat gcgtangaga gatctccgtt tttgctacag gcccaangtg tcttcttctt 360

ctcnttgccc taacgatttt cctcgtcttc gcnctcttca acacccggna aagatgagga 420

gaagcangta attgaangat catgaaaatc accaacaggg gttttctcca tgntgagagt 480

ggatggccaa cggcttaggn aagg 504

<210> 7902
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-H3

<400> 7902

gttagcctgc cgtaccggcc caaaattccc gangtcnacc cacgcgtccg caagtattct 60

ggaagaaaga aaagagagag aaaatgtcgt ccagtaaaat ccaggtacga gggcagccac 120

ttcttagggt tccggcaaga aaccaccgta tgacacactt ggttgtttgc ggcgtttcca 180

caaaacgcca ccaccgtgaa atcaatgcac tcagcagtaa tagtggtcca tcgttggatt 240

cggtcccaac aagaaccgac aagaggcagt ttcttcgtgg tgacggtaac ggtaaattcg 300

ggaggttcgg tgggaagttt gtaccggaga cattgatgtc tcgcctgata gaacttgaag 360

acgaatttaa ctttgttagg tgcgatcacg aatttcagga ggagcttacc acaagcgtta 420

aagagactac gtaggaanag aaacgcctct ctacttcgcc gaacgtctaa ccngaacact 480

aca 483

<210> 7903
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-H5

<400> 7903

ttccacacga ttttccctgt gatttcttca tttccggcga cttaaaacgg tgtctagcaa 60

aatgagccga ccacaagatc caccccgagg tttcttccca tttgtgaaat ccctttcgga 120

tgttatcatc aaagggatca gatttatcgc catggntact ttctctattg aacggctttg 180

agctacgttt ggaaganaga ctgaagaaac ttatgcctaa gaacanagat gacatcctca 240

ctttatcctg gatgaagcta nctatggagt cactctgcga agactcataa gaacattaac 300

actctcatta ctgatctcca gcttcctgtc tctgattggg aagagaaatg ggttgatgtn 360

tacctcaaca tangcgttan ggttnctana tctctggtan tgcctttang ctcngaggtc 420

aagacgtccc aaan 434

<210> 7904
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-H8

<400> 7904

cgnctacgcc ggccccgaaa cgggtccaaa nattcccggg tcgacccacg cgtccggttt 60

taatctcttt ttaagacaac atataatgtc aattgtatgt acgtttttct tgtttctctt 120

aaacacttct tttgcgtttg catttgcgat tcctaaaccg ccaatagtaa ggagactatc 180

aacgacagtg acatcaaatt caacagcgtc ttcttgctca gccaatggaa atccaatcga 240

tgagtgttgg agatgcgacg aaaactggaa ggacaaccgc aaaaacctcg cggattgcgc 300

ggttggattc ggacgcgact caattggcgg tagagccggg gagttctaca cggtgactgg 360

attcaggaga cgacaatcct cctaaatcna actccaggta cattacggta cgctgcgaca 420

caaggatcaa cctctaatgg atcatttttg atcgagacat gggtaataca actanaaaca 480

aga 483

<210> 7905
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-B2

<400> 7905

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gatcgccacc gctccttctc gcggaagttc tcacctccga tcnactcaag ccgtcggcaa 120

atcttttggg ctcgaaactt cctcggctcg cctcacttgc tccttccagt cngactttaa 180

nganttcacc ggtaaatgcn ccgacgctgt caanatcgcc gggattccgc tcttgccanc 240

tctgctctcg tcgtctcggg agcaagtgcg gagggagctc cangagagat tgacctatga 300

tgacgattca ngagcaagac atacatggaa gtgaaaggga actggaaacg gctaaccaag 360

tgcccctaag attggacngg tggctcnnna gacnttcctc ggtncaaaan cccgtgaaag 420

tattgc 426

<210> 7906
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-B3

<400> 7906

gcttaaatcc ttcaattttc agcttctgtt tgttaaattt caggtttttg ttgtttttga 60

gctaattgaa gaccctattt gatcttaaga agcaatcagc ttttagttta agcatctaga 120

aacttgaatt ttgcgaacct ttttggtatt tttcaaaatt tagtctctct gtagaacttt 180

ggttttgtgt ccgatgatcg ttgattggtt tctcagggtt taagttggtg ttgaaatatt 240

taactttcna tttatggtct ctacatgttt tctgtttaat tctattanga aacatgtgat 300

acagagaggt agcttatanc tgcagtcaaa agatcttata aaggatatgt ttaatgtnag 360

anatatctta aggaacttgt ttcggttagg aatttagcgt ccaaaaagct cctaggattt 420

ggg 423

<210> 7907
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E6

<400> 7907

acgcgtccgc gaaaaaacaa tggagacgcc acttcttgtg ggactcgaac tacgttgtcc 60

tcctcatctc ttcaacactc actctcgtcc ctcttcatct ctctccattc ccgccttatc 120

cttacgaatc ctcacgccga cggcggcaac gacatcttcc gctgttattg aattaccggc 180

gaacgtagca gaagctcctc gttccaaacg ccattccaat tcatacctgg cgagaaaatc 240

cgccatttct gaagttcaac gctcctcgga ttttctctct tctctgcang agattagcaa' 300

cagttttgaa ggtacaagat ttgaatgtaa ttttgccgtg attttggaat cnctggaaag 360

anggcaagga tcttatacag ctctttgaat gggtgcaaca acatggaaan g 411

<210> 7908
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-C1

<400> 7908

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ggaccggaag aagttgaatc gagctcagac cgagagggat attctacaac tattggatca 120

tccgtttcta ccgacattgt acactcattt tgagactgac agattctcgt gtttggtcat 180

ggaatactgt cctggaggtg atctgcacac tctaaggcaa cgtcaacccg ggaagcattt 240

ctcggagtac gctgctcgat tttacgctgc agaggtgttg ctaacactag agtatctcca 300

catgctcggt gttgtttaca naggacttga agcctgagaa tgttctggtt cgagatgatg 360

gtcacataat gctttcagac tttgatctct cccttgaggt gcgcggtttc nccaacactg 420

a 421

<210> 7909
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-H4

<400> 7909

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gggacgaatc taatcgccgg gaaaccgttt ttttttttct ctcggaaaat cgatttgaat 120

ctccggcgat ctgatcggga tgagtaacat cgatctgatt gggatgagta accgcgatct 180

gatcgggatg agtaacagcg agcttctcac cgtcgagcct ctcgatcttc aattcccttt 240

tgaattgaag aagcagatct cttgctctct ctatttgacg aacaagaccg acaataatgt 300

tgcctttaag gttaagacga cgaatccgaa aaagtattgt gttaggccta ataactggag 360

ttgttctccc gaggtcnaat tgcnaagttc ttggtgacca aggnaagntc aaaaggaanc 420

tccttccgat angcaattgc aaggaaaagt ttccggctca aaggggggggg aaaccnagcc 480

cgggggtcca a 491

<210> 7910
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-H7

<400> 7910

acagggtgct cgcaaggaat cttaggacaa gtgtctgtgg aacaaggatt ttgcagagga 60

cttgttcgac tgttgtgaca catgatgttt ctacttcttg ttccaatgag agcaatgcat 120

taaataattc cactgacgat ggtccacaac atgacattgc tattgttggt ggtggaatgg 180

ntggatcgct ttagctgctt cattggccaa caagccaatt gacaaagcac ttgaatgtcg 240

ctattattga caataatcct cctttggggg aagaagaaat atccatagag aaagggcatc 300

aacctgattc ccagagtcag tacagtcaca cctgcaacat ntccttcctc aaaagatatt 360

nggtgcctgg aaatacnttg agcaacaanc gacatgngtt nttttgataa aaatcaaggt 420

at 422

<210> 7911
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-A12

<400> 7911

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ggcttccgtt aacgttagct tctgtcatcc tttacgctct tcttctccaa aggtctcact 120

tcgcagttcc gttcatttcg cgacgagtct ttcctcaagt cactccattt ctgggcttcg 180

cgctgttttg cctctgaaga tttctacagt tgcttccccc aattctcaaa agcttcattc 240

ttttaccgtt ttcgctcata agggctacaa gatgaagacc cacaaggcct cagcgaagcg 300

gttcagagtg acgggtagag ggaacattgt gaggaggaga tctggaaagc agcatttgtt 360

agctaagaan gaacaggcaa cgaggaaatt acgtctatcg anaatgangg aagttgaanc 420

gggagcgagt 430

<210> 7912
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-A7

<400> 7912

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atcctctggc gtcggcaagc gcaccctcct ctctcgattg ctctctgtgg aatttgagga 120

ttcatcggag tcatcatctc aaacagaagt tcatggctgg acgattaaca ctaagtatta 180

cactgcggat gtttctgtat gtatatcaca tatttgcgat gaatactctc tacccaatct 240

ccctaactca catccactgg tggcgttagt tatggtcttc gacttgagtg agctgtcaac 300

ccttgttgct cttcaagact gggtttctca tactgacatc aacaagtttt gatatattgt 360

tgtgcattgg taacaaagta natcgtgtcc ctcatcaact tgctcaagna g 411

<210> 7913
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-B5

<400> 7913

ttattaaaaa aaaaaaaaaa aacacattgt catatctctg gtcccatatg tgatatgtca 60

ccgtccttct ccatcgccac caccgtctca ccggcttctc tagccgggac tctggcctcg 120

aactcaaaga atgttttgtg tagtttacat tcaaagaaca atgatattac caagacaaat 180

aggaatctga agtttanagc ttgttctgtt tctggagggt ataacaacaa tacatctgtg 240

gacaatgtac cttttcctcg tgattacgtc gagctcatta atcaggccaa agaagcagtg 300

gaaatggctt tgaangatga gaaacagtta atggtgagtt ttgttgcaat ggtctgtttt 360

aaaatggatg tacgaaaaca cgttattttt cgtgatccaa agggaaccct tttacaggaa 420

attgagtt 428

<210> 7914
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-B8

<400> 7914

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aaagagaaga agaatcaaaa tcccacacaa tggcaacaca ctcttccttc accgcaacaa 120

cacctctctt tctcatcgtt cttctatccc tatcctccgt ctcagttctc ggcgcatctc 180

accaccacgc aacggcgccg gctccgtctg tagactgttc gactctcata ctcaacatgg 240

ctgactgttt atccttcgtt tcgagcggag gcacggtggc gaaaccggaa ggtacatgtt 300

gctctggtct taagacggtg cttaaagctg actctcagtg tctatgtgaa gcgtttaaga 360

gcagtgcttc tcttggagtt actttganta tcactaaagg cttctacgct tcccgccggc 420

atgcaaagct tcacgctcct tctatcgcgt acntgtggat tgtcggttgc tccanngtac 480

tgcccaaggt cctgct 496

<210> 7915
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-C3

<400> 7915

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aactccatcc aaacaagccc tcgacgtcta gccgaagacc gcactcaatg tgaccgtgac 120

tcaggcccag tccaccaaga gtcttcgtct ggcgcttggg gcgtttcact agtctcaaga 180

aacgagagat tcaagccgtt aaggactgca tccaggagat ccatgatgcc gttgaccgtt 240

tgaccatgtc gatccatgaa gtgaaaatgt gtggtagtgc caaagtcgtg accagttttg 300

ggtccacatg agcaaatgct caaacgtgga ccaacgctgc tttgactaat gnaaacactt 360

gctccgatgg ggtttgcggg tcngggtcat ngatgggccg nggtaaagga actcagtaag 420

ggcacgggat cntgaatttn gggaaaaaga aac 453

<210> 7916
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-C4

<400> 7916

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tgagctcttc ctcaatctcg ttatggagta tgtaccagag acattgtacc gggttttgaa 120

gcactatact aagttcaaac cagcggatgc ctatcttcta tgtcaaactt tacacatacc 180

aaatcttcag aggcttggct tatatccata ctgctcctgg tgtctgccac agagatgtga 240

aaccacaaaa tcttttggtt gatcccctca cccatcagtg taagctctgt gattttggaa 300

gtgcaaaagt actggtgaaa ggtgaagcaa acatatcata tatctgctct cggtattacc 360

gagctccaga actcatcttt ggtgccacag aagtatncat catccattga tatatggtct 420

gctgggttgt gtttctggca aagcctactt cttgggnaac cgttt 465

<210> 7917
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-C8

<400> 7917

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aacgatggcg tcgaactcgc ttatgagctg tggcatagcc gccgtgtacc cttcgcttcn 120

ctcttcttcc aagtctaaat tcgtatccgc cggagttcca ctcccaaacg ccgggaatgt 180

tggtcgtatc anaatggctg ctcactggat gcctgncgag ccacgaccag cttaccttga 240

cggttctgct ccnggtgact ttgggtttga cccacttggn cttggagaag ttccagcgaa 300

ccttgagaga tacnangagt caganctcat ccactgtana tgggcgatgc ncgctgttcc 360

tggggatttt ggtaccagna ancnttaagg atattggaaa cctgggtttt aangctcaag 420

gaatgggnan gcactaccna gggggggtaa a 451

<210> 7918
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-D6

<400> 7918

actatttgct acttgcgtgc catgcatcaa acgagactgt acaactctat cagctctcac 60

gttgggctag agcccagggg tatttancct ccaagaaaga angaggagaa accatctcag 120

taaaccaaaa tgaggaaagg tttcttcaac gctgcttcag aatttgttcg tgggaattac 180

tgaatccatc catttgattt tctttcnaaa cgtgttttgt attgtgtccc caagctatgg 240

ttgctttact tgttggatca ttcactaaca ttatatcctt tgttttcata agtaaccgct 300

tgtaataaaa tttgggacca gtcgtcatta anaanaanaa naaagg 346

<210> 7919
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-D7

<400> 7919

acgcgtccgn gacaagagtg caaaaggcac acgatgggct gttttagttg ctggatcaaa 60

tgaatattat aactacaggc atcaggctga catatgccac gcgtatcaga tactccgaaa 120

aggcggttta aaagatgaaa acatcattgt gtttatgtat gatgatatcg cgttttcctc 180

ggagaatcct aggcctggag ttatcattaa taaaccagat ggagaagatg tttataaagg 240

agttcctaag gactacacta aagaagctgt taatgttcaa aacttctaca atgtgttact 300

tggaaatgaa agtggcgtca caggaggaaa tggcaaagtt gtgaaaagtg gtcctaatga 360

taatatcttc atctattatg ctgaccatgg agctcctggc ttagtaacga tgccaactgg 420

gaactggaan tcttctg 437

<210> 7920
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E3

<400> 7920

ctgttacgcc tgcntgtacc ggcccaaaaa ttcccgaagt cnacccacgc ntccgcaaga 60

cgcgtnggtt tccaatctct taagtaattg gcggcgaana tgggtttcct gatagggggc 120

tcttgcttcg tcccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngantaa tgtcgccaag 240

ttcaagcgcc gacgaccaac attggcttct ttaaaccagg aagatgggta cgagtatgac 300

gttgcttccg ccaaaangag gggctttcct tcttgtgggt anctctgttc ntccctttt 360

gcagcttcga tcaccccgct ttggctgatg aaanaggcaa tgagataaag acatcgaaan 420

gttgatctan aaactgacgt tgcagtantt agtgaaggga anatcgccaa atccatttcc 480

ng 482

<210> 7921
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E4

<400> 7921

gttacgcctg cntgtaccgg cccaaaaatt cccgaagtcn acccacgcgt ccgcaggatt 60

accaaacgtc gtcaatacat ttcttcaaat tacgtttctt ttatccttcg ttacnctcaa 120

caaattttga tatctgattg gtgttgattc caagtaagga nagatcaaaa ctttaggtaa 180

agtatggata ngggtttcca tgaaaatgng caaaatcaag aatttgcgaa tctaatggag 240

attggatctg ggcattacgg gtgttcacan tatagaagac gatgcaagat tagaacacca 300

tgttgtgatg agatttttga ttgcagacat tgccacaacg aagctaanga ttctcttcan 360

attgaacanc atcataggac attgagcttc ctcgacaatg aagtttcaaa ngtcatatgc 420

tcgctttgtg aagacagnac aaggacgttt canccagaac ctgctccaaa ntgttggngt 480

aatgttatgg gggaaattcc ntccggtt 508

<210> 7922
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-H3

<400> 7922

acgcgtccgc ttcacaccga acttgaatct actccaccga gttcttcaag cttgcatccg 60

ttaacaccga ctccacaaac gctgtcttac cgtgttaagg aagagttgtg tccatcttcc 120

tccttgccaa gtcctaaagg ccaacaacca agagttgagg ttagattaag agaaggaaag 180

gcagtgaaca tacacatgtt ctgtggacgt anaccaggtc ttttactttc caccatgaga 240

gctttggata acttaggatt ggatgttcaa caagcggtga ttagctgttt caatggtttt 300

gctttggatg ttttccgcgc tgagcaatgt caagaagacc atgacgtgtt acctgaacaa 360

atcaaagcag tgcttttaga tacagcaggt tacgccgggt ttgggtttga atggcnnaag 420

cnnganggga agcatccggt gtggaacaga acctn 455

<210> 7923
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-050-Q1-E1-E5

<400> 7923

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tgttagtgtt taaggaaaca aaaggaagaa gatgaagtat gtggttgttt caggaggagt 120

agtgagtgga ctcggcaaag gagtcacggc aagtagcatc ggactcatcc tcaaatcctg 180

tggcttccga gtcaccgcca ttaaaatcga tccttactta aacattgatg ctgggaccat 240

gtcacctatt gaacatggtg aagtttacgt cttggatgat ggtggcgagg ttgatctgga 300

tcttgggaac tatgagaggt tcatggatat taagctgact agtgaaaaca acataactac 360

tgggaaaagt ttataancat gtgcttgacn aaagagagga canganatta tccttgggaa 420

gaactgttca ngggtgt 437

<210> 7924
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-C4

<400> 7924

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ttaacattgt tatagattag aattcatcct ttgctttgtt tatttgggtg tttatctatc 120

gcaggaatta gggtttttgg tctgcttcga tggatatgga tcaagagata ggtcaaaatt 180

ctcctggatt tgatggtgaa tcagtagtgt caatgagtaa tagaagcaag gagactgaac 240

cagtcccggt tgagaatgac tattatcggg aaaacggatt caacannnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nncagaagct ccttcactga tttgaatcaa ctcccggcga 360

ttccgccagc ttctagtggt caaggtttgc cgtttgcacc tgtcgatttc cccgaacccc 420

cggcgatgtt tggacctgga ganttnggaa ggagantgna ataatgcccg ggttccaaaa 480

aggn 484

<210> 7925
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-C7

<400> 7925

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nnncaagcgc ttctttaatg gcggctgttc aatgtctcac tttcctcttc ttgtttcttc 120

tccaaaacgc gacgtcagct tcacctctcc ctctcttccg gcggncgatc caaagcaacc 180

acagcaactt cgtgaagcat cctcgccgaa gtcaggtggt tttcccggtg aatcatagta 240

gttgtgatct gttcgccggc gagtgggtgc gggatgagac ttacccactt taccggtcta 300

aagaatgcgg ccgaggaatc atagatccgg ggattcgact gccatactta ngggcagacc 360

tggactccga nnancncaag ttccggtggg naanccttca actgcaatgt cccctaagag 420

tcnaatg 427

<210> 7926
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-C8

<400> 7926

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tctttttata aagattttgc aagttaagtg taaacctaca aaaaccaaac atggtggttt 120

tgccacagcc agtcacttta gataaccaca tctccctaat ccccacatac aaaccggttc 180

cggttctcac ttcccattca atccccgtcg tcaacctagc cgatccggaa gcgaaaaccc 240

gaatcgtaaa agcctgcgag gagttcgggt tcttcaaggt cgtaaaccac ggagtccgac 300

ccgaactcat gactcggtta gagcaggagg ctattggctt cttcggcttg cctcagtctc 360

ttaaaaaccg ggccggtcca cctgaaccgt acggttatgg taataanacg gattggacca 420

aacngtgaan ttggttggnn ttgagtatct cctcctcnaa tgncaaacct cangtctccc 480

ctcc 484

<210> 7927
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-C9

<400> 7927

tacgacatca aaaggaacaa cctcccctgt ttttgggaat gtggtcggta gtaaatttgt 60

gttcgaanaa acaagtttta aacttgttgg gttttgtggt cgatccggtg aagctattga 120

tgctcttggt gcacattttg cccctcttcc tgctcccact ccangctccc gcgcccgcgc 180

ccgcgcccgc tccangctcc agctccctcg cccgctcccg cttctgcgcc cgttccagct 240

cccgcaccca cgcccgctcc agctcnagct cctcntaaca nagtggaagc tctaangagg 300

aaatggtgga acantatgtg acgatggggc tttcgatcat ntaannanng gttaataant 360

ggtcaangtg attcctggtg tancttatgt gaagttcnaa atacagnaga agatggggaa 420

aa 422

<210> 7928
<211> 486
<212> DNA
<213> Arabidopsis thaliana